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MANSFIELD STATE COLLEGE

MANSFIELD, PENNSYLVANIA

CATALOG
1970-1971

THE COLLEGE CATALOG

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THE COLLEGE

Philosophy

The ultimate goal of the college is to provide for its students the opportunity for the richest possible educational experience — a life segment which will most ably fit him to fill the role of contributor during his adult life. "Education" is interpreted as the summation of experiences which modify the behavior and attitudes of the individual—thus, academic disciplines, participation in undergraduate government, student activities and social experiences all represent valued influences.

A history of institutional development of the college reflects not only a pervading belief in the worth of the individual student, but also a sensitivity to the changing requirements of the modern world. A spiraling emphasis on the benefits of higher education to a larger proportion of secondary school graduates has been accorded impetus to the emerging multipurpose concept of Mansfield State College.

Today's college has discarded the ideology of "terminal education." The present curricula of teacher education, arts and sciences, and graduate studies provide cultural enrichment, in-depth investigation of major areas and necessary background which enable the student to live a more effective life, accept a vocational opportunity upon achieving the plateau marked by the awarding of a degree, and engage in continuing educational pursuits.

This college welcomes qualified students, faculty, and staff from all racial, religious, nationality, and socio-economic backgrounds.

It is the belief of the trustees, administrators and faculty of Mansfield State College that the quality of vision shall continually place the college in the situation of institutional growth in which yet-to-be-fulfilled aims extend beyond the current state of progress.

History

In 1857, the Mansfield Classical Seminary opened with a registration of 105 students. Four months later the original building burned to the ground; however, prominent citizens of the area, who had done much of the preliminary planning for the original structure, renewed building operations, with the result that South Hall was available for the formal opening of school November 23, 1859.

In 1862, because of the serious financial difficulties of the seminary, the Commonwealth of Pennsylvania acceded to the request of the trustees, and established it as the Normal School of the Fifth District.

Student Teaching was organized in 1871, in conjunction with the elementary grades of the Mansfield Soldiers Orphans School. Later, when the need for the Orphans School no longer existed and it was dissolved, the lower grades of the local public school were utilized for this phase of teacher education. A modern laboratory school for the lower grades was opened on the campus in 1914.

The State Council of Education in June, 1926, authorized the State Normal School at Mansfield to confer the Degree of Bachelor of Science in the areas of elementary education and secondary education. A year later Mansfield was designated a State Teachers College by formal resolution. Indicating a broadened concept of professional preparation, the Pennsylvania Legislature on January 8, 1960, authorized the general title, **Mansfield State College.**

Since it was first authorized to grant the B.S. in Education, Mansfield has expanded its curriculum to include the special fields of Music Education, Home Economics Education, Library Education, Art Education, and an Arts and Science Curriculum. Mansfield State College offers graduate degrees in Education in the Music, Elementary, History and English areas.

The Community

The Borough of Mansfield is located in Tioga County in the heart of Pennsylvania's beautiful Northern Tier. A residential community, its pleasant streets are lined with the harmonious mixture of well-kept traditional homes, modern dwellings, and apartment complexes which denotes the blending of history and current vitality.

The region is characterized by hills, forests and farmlands and is noted for unexcelled hunting and fishing. Opportunities for outdoor activities are highlighted by scenic grandeur of the Grand Canyon of Pennsylvania, the winter sports center at Denton Hill State Park and the beach and boating facilities at Hills Creek Lake State Park — all of which lie nearby.

The Borough is situated at the junction of U. S. Routes 6 and 15. It is about 35 miles from the Chemung County (N. Y.) Airport, 20 miles from the Grand Canyon State Airport near Wellsboro, and 31 miles from each of the New York rail centers of Elmira and Corning.

Campus and Physical Facilities

The campus of Mansfield State College occupies a hilltop setting high over the Borough, surrounded by a semicircle of still-higher elevations. Architects have made use of the college's sloping 115 acres to create attractive grounds, where tall trees and extensive lawns provide an atmosphere of quiet dignity.

An extensive building program, now in progress, will add an evaluation of more than $19,000,000 by September, 1971. Mansfield's administrators have steadfastly limited enrollment growth in a manner consistent with the availability of facilities. Thus, expansion plans will permit a gradual increase in the size of the student body to more than 3,000 students when the campus plan is fully realized. At present the campus buildings include:

North Hall: One of the older buildings on the campus which is used as a dormitory, conference rooms, and Business Offices.

Pine Crest Manor and Hemlock Manor. Two units housing 420 women. The residential, academic, and social needs of the students were incorporated into the design of these modern facilities.

South Hall. This men's dormitory, administrative offices, and classroom building occupies the site of the original Mansfield Classical Seminary; also contains recreation rooms.

Oak Hall and Hickory Hall. Privately constructed colonial style men's dormitories housing 300 men.

Alumni Hall. The ground floor of this dual-purpose building houses most of the administrative offices. The upper floors comprise a library of modern design containing a collection of 90,000 volumes which will be expanded annually until its capacity of 120,000 is reached. There are ample reading and study areas for student use.

Phase two of a three-phase library expansion plan is currently in progress and scheduled for completion in 1969 with added space for both library and administrative purposes.

The Doane Health Center. The center contains offices of the college physician and nurses, treatment and isolation rooms. Serious medical or surgical cases receive immediate attention at low cost at the nearby Blossburg State Hospital. Other area hospitals are Soldiers and Sailors Memorial Hospital, Wellsboro; Robert Packer Hospital, Sayre; Arnot-Ogden and St. Joseph's in Elmira. This building was dedicated December, 1968.

Catherine E. Beecher Cottage and Ellen H. Richards Cottage. These relocated homes are used by women of the home economics education department for home management residency.

Laurel Manor. Dormitory facility recently constructed houses 300 women students and provides for the residential, academic and social needs of the residents.

Maple Hall. This facility houses 200 men and the most recently completed dormitory complex.

The "Hut". Named for an earlier similar-purpose frame building, the newly constructed facility serves as a student rendezvous where sodas and light lunches are served.

Arts Building. Facilities are provided in this building for home economics education. Included are textiles, equipment, clothing, curriculum, and foods and nutrition laboratories; a nursery school; reading room and living center. Renovation to be completed in September, 1969, will fit the building for single-department use.

Belknap Hall. This building contains general classrooms, faculty offices and lounge, language laboratory, and a cartography room.

Grant Science Center. One of the most attractive buildings on campus, this structure contains large, well-lighted classrooms and laboratories and lecture hall. Phase two of a planned four-phase structure will be added in 1970-71.

Straughn Auditorium. Seating 1,250, the auditorium is provided with modern motion picture equipment, stage and lighting facilities for concerts and dramatic productions, and a three-manual Austin organ.

Retan Center. Formerly the campus elementary school, this building houses education offices and classrooms.

Allen Hall. This structure contains a communications center, theater, laboratories and facilities for classes in special education and audio-visual education.

Gymnasium. A large playing floor, locker space and the offices of the physical education staff are provided here.

President's Home. This brick residence harmonizes with the rest of the campus, lending beauty and dignity to the scene.

Van Norman Field. Completed in 1960, this natural semi-amphitheater for football and track commands a sweeping view of the community and surrounding hills. Additional permanent seating facilities were installed in 1966.

Athletic Facilities. Recently completed and added to the facilities are seven new tennis courts, three combination tennis and volleyball courts, softball field, band practice field, and football practice field.

Manser Hall (Dining Hall and Kitchen). This building includes dining facilities for one thousand students, faculty dining room, complete kitchen and bakery facilities, lounge, and bookstore.

Will George Butler Music Center and Steadman Theater. This building is air-conditioned and contains complete facilities for a music education curriculum, including theater with seating capacity of five hundred.

Building Under Construction. The 1970-71 span of this catalog will see the completion of many new structures as the comprehensive campus plan achieves realization. Included will be the following (completion date estimates are included):

January 1970—Student Center.

September 1969—Addition to Laurel Manor (for 200 women), addition to Maple Hall (for 300 men).

Maintenance Building and Garage, Boiler Plant Expansion and Utility Extension.

New Gymnasium (to include swimming pool).

Research and Learning Center (classrooms).

Accreditation

Mansfield State College is accredited by the Middle States Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education.

Individual departments also hold membership in the regional and national professional societies associated with their respective disciplines.

Programs of Study

Mansfield State College offers two basic four-year programs and one graduate program of study.

The **Education Division** includes programs in Elementary, Secondary, Library Science, Home Economics, Music, Art, Special, and Physical Education. When these are satisfactorily completed the holder is entitled to teach in the public schools of Pennsylvania according to the specified conditions of each curriculum.

The **Arts and Science Division** offers majors in English, Sciences, Languages, Social Sciences, Mathematics, Music, Psychology, and Speech and Drama. These disciplines provide the foundation for graduate study and meet employment requirements of some industries, businesses, and government.

The **Graduate** program leads to the Master of Education degree in Music, Elementary, English, and History. Expansion in the graduate program is being planned and may include M.A. degrees.

Summer Sessions

The summer sessions are designed for teachers in service, teachers desiring to enrich or broaden their professional education, high school graduates wishing to start their college studies early, and college students following an accelerated program or completing special requirements, and for graduate study.

By attending summer sessions, the student may complete requirements for the baccalaureate degree in education, the master's degree in education, extend certification to additional teaching fields or make permanent the provisional college certificate.

The college schedules two sessions of six weeks each. Summer school credits may be earned at the rate of one credit per week of attendance. A total of 12 semester hours may be earned by attending both sessions. Permission to enroll for more than 12 hours must be obtained from the Dean of Academic Affairs. For further information write to Director of Summer Sessions.

TEACHER EDUCATION

More than one hundred years ago Mansfield was designated as a school to prepare teachers. Today, it has assumed new responsibilities as a multipurpose college. It offers to prospective teachers diversified and well-developed degree programs leading to certification in Elementary Education, Art Education, Secondary Education, Music Education, Home Economics Education, Library Education, Public School Nursing and Special Education for the Mentally Retarded.

The teacher education program consists of three elements which are integrated so that the student achieves comprehensive preparation for the art of teaching. These are general education, professional education, and specialization in the subject matter of the student's field.

Mansfield offers also graduate studies leading to the Masters Degree in Elementary Education, Music Education, English, and History.

Certification

Citizens of the United States who have completed any of the four-year curricula offered by the college and who have complied with all the regulations for graduation, will be granted a college degree. This degree should not be confused with the Provisional College Certificate issued by the Department of Public Instruction.

Provisional College Certification

A student successfully completing his curriculum in teacher education and receiving his degree from the college qualifies for a Provisional College Certificate, which is issued upon application to the Department of Public Instruction, Harrisburg.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field the certificate entitles the holder to teach subjects specified thereon in the secondary schools of Pennsylvania, grades seven and above, for three years.

In music education the certificate qualifies the holder to teach music for three years in both the elementary and secondary schools of Pennsylvania.

In home economics education the certificate is valid for the teaching of home economics in all grades of the public schools of Pennsylvania for three years.

In foreign languages the certificate is valid for the teaching of foreign languages in all the grades of the public schools in Pennsylvania.

In art education the certificate is valid to teach art in all the grades of the public schools in Pennsylvania.

In library education the certificate qualifies the holder as a school librarian for any of the grades of the public schools of Pennsylvania.

In Special Education for the Mentally Retarded the certificate qualifies the holder to teach the mentally retarded in all the grades of the public schools of Pennsylvania.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the Public Schools of the Commonwealth under a Provisional College Certificate and the successful completion of twenty-four (24) semester hours of post-baccalaureate education for permanent validation.

Extension of College Certificates

A college certificate valid for the secondary field may be extended to include the elementary field by the completion of an approved program in the field of elementary education including six semester hours of elementary student teaching. The program to be completed for this extension must include: (a) a course in the teaching of reading, and (b) courses in at least four of the following areas: Mathematics, Arts and Crafts, Music, Physical Education, Language Arts, Sciences, Social Studies, Geography, Mental Hygiene or a course dealing with exceptional children.

A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting an approved program of a secondary certificate in that subject. The program for this extension will include professional education courses in the secondary area, six hours of which must be student teaching.

Programs For Teachers In Service

Teaching Experience

Entrance and college credits based on teaching experience have not been granted since September 1, 1927. Credit will not be granted for student teaching other than that done under the direction and/or approval of the college.

Extension Courses

Extension courses provided by duly accredited colleges and universities will be accepted from in-service teachers for no more than 25 per cent of the number of credits required for a degree. On a transfer record only courses that have received a grade above the lowest passing grade of the issuing institution will be considered for credit. Detailed information on acceptable credit may be obtained from the Dean of Academic Affairs.

Saturday and Evening Classes

Saturday and evening classes on campus have been established as a regular part of the Mansfield College program, in order to enable area teachers to continue their studies during the entire academic year. For further information write to the Dean of Academic Affairs at the college.

Correspondence Courses

The Department of Public Instruction prohibits the offering of correspondence courses by state colleges and also the acceptance of such courses for credit.

Maximum Semester Credit

Not more than six hours of credit may be taken at any one semester by a regularly employed full-time teacher.

Student Teaching

Student teaching is considered to be one of the most essential phases of teacher preparation. At Mansfield this experience covers a full-time assignment for one semester and takes place in the student's senior year. Student teaching is conducted under the guidance of master teachers in cooperating elementary and secondary schools of the area and college supervisors. Learning about desirable professional attitudes, legal requirements, pupil records, extra-class responsibilities, classroom techniques as well as community relationships are included in this experience. All student teaching assignments follow a calendar established by the college for student teaching.

Assignments to student teaching are made with joint approval of the Departmental Chairman, the Dean of Teacher Education, and the Director of Student Teaching. No student is eligible for assignment who has failed to achieve an overall 2.00 quality point average and a 2.00 average in any field in which he is to be certified.

Credit for student teaching will not be granted for prior teaching experience. Students should consult their departmental chairman or the Director of Student Teaching concerning questions related to student teaching.

Curricula

Mansfield State College offers the following undergraduate curricula:

Teacher Education

- Art Education
- Elementary Education
- Home Economics Education
- Library Education
- Music Education
- Public School Nursing
- Secondary Education, (comprising majors in the academic subjects taught in secondary schools)
- Special Education for the Mentally Retarded

Art Education Curriculum

The Art Education Curriculum is a division of the Department of Education. Upon satisfactory completion, the degree of Bachelor of Science in Art Education is awarded, qualifying the graduate to teach art in the elementary and secondary schools. The curriculum in Art Education is structured to guide prospective teachers to meet the challenge of accomplishment and understanding in the fields of general education; develop their abilities by providing studio experiences in areas as drawing, painting, sculpture, graphic arts, ceramics and applied design; and provide a rich background in aesthetics, theory and criticism. The courses in psychology and philosophy of art education, observation, participation and student teaching are the culminating areas of the total art education program.

Of the sixty hours required in general education, the following courses should be taken in the freshman year: Art 102 (Survey of Art), and Psych 100 (General Psychology). In the sophomore year, six credits each will be taken in the lab sciences, social sciences, and literature.

In the areas of specialization of the thirty-nine required credits, the following three credit hour courses will be taken during the first two years: Art 201 (Painting I), Art 210 (Drawing I), Art 231 (Graphics I), Art 241 (Color and Design), Art 251 (Jewelry I), Art 261 (Waterbase Media I), Art 271 (Ceramics), Art 281 (Sculpture I), and Art 295 (Plastic and Tactile Crafts).

Twelve semester hours will be elected to the following two credit hour courses in the junior and senior years: Art 302-303 (Painting I and II), Art 311 (Drawing II), Art 332-333 (Graphics II and III), Art 342 (Advertising, Design, and Lettering), Art 352 (Jewelry II), Art 372-373 (Ceramics II and III), Art 382-383 (Sculpture II and III), Art 395 (Stage Arts), Art 398 (Intererior Design), Ed 420 (Photography), and Art 403 (Independent Study).

Art 325 (History of Modern Art) will be required in the junior year, and six hours of art history electives will be taken from the following: Art 321 (Ancient and Medieval Art), Art 325 (Art of the Renaissance), Art 326 (Oriental Art), Art 327 (History of Prints), or Art 328 (History of Architecture).

In the Professional Education area Art 222 (Theories of Art Education) will be required in the freshman year. Art 290-291 (Art in Elem. Education I and II) will be taken in the sophomore year. During the junior year Art 292-293 (Art in Secondary Ed. I and II) will be taken, as well as Ed 230 (Educational Psychology). Three credits will be elected from **History and Philosophy of Education, Curriculum Development**, or **Audio-Visual Communication.**

photo, Paul Updike

Elementary Education Curriculum

The Elementary Education Curriculum at the Mansfield State College has as its purpose the preparation of men and women for teaching in the elementary school. It is a four-year course leading to the degree of Bachelor of Science in Education.

Elementary Education students pursue the broad programs of general education provided for all students of the college, including courses in the Humanities, Natural Sciences, and the Social Sciences. They must also complete an elective sequence of at least 18 semester hours in some approved academic area of interest.

Students tentatively in this major should include the following courses in their first two years of general education: Psy 100 (General Psychology), Psy 230 (Educational Psychology).

In the major area of specialization the following courses are required: EdEl 350 (Child Development), EdEl 360 (Children's Literature), EdEl 380 (Teaching Music), EdEl 382 (Teaching Art in the Elem. Grades), EdEl 383 (Teaching of Reading), EdEl 384 (Teaching of Arithmetic), EdEl 385 (Methods I—Language Arts, Health, Physical Education), EdEl 386 (Methods II and Participation — Social Studies and Science). 26 credit hours.

Electives for Elementary majors include: Electives organized for concentration in specific fields, such as English, social sciences, modern foreign languages, etc. for a total of 18 credit hours.

Home Economics Education Curriculum

Home Economics Education provides for liberal studies and guided experiences which contribute to the self-actualization process for each student. Home Economics focuses on both the individual and the family operating in a world of technological and sociological change. Higher education in Home Economics affords preparation for the several roles of the Home Economics graduate, as the Home Economics teacher, the homemaker, and a contributor to society in the local, national and world community.

At Mansfield the Bachelor of Science degree in Home Economics Education enables graduates to teach Home Economics in Pennsylvania schools. The emphasis at the secondary level is preparation of students for wage-earning and homemaking. One summer during the college career, and preferably between the sophomore and junior, or junior and senior years, Home Economics students at Mansfield plan and execute a work experience designed to prepare them for teaching in occupational programs.

Home Economics students, having achieved a B average, may elect to spend one semester during the junior or senior year at the Merrill-Palmer Institute of Human Development and Family Life in Detroit, Michigan.

Home Economics students transferring to Mansfield State College will be required to take at least one course at Mansfield in each of the five areas of Home Economics. These five areas are: housing and home furnishings; child development and family relationships; home management and family economics; foods and nutrition; and clothing and textiles.

Courses recommended for the first four semesters are: Ma 101 or Ma 102; Bio 101; Psy 100; Chem 101 and 102; HEc 100, 102, 103, 215, 216, and 224.

The Home Economics Education curriculum requirements are: HEc 102 (Textiles), HEc 103 (Fundamentals of Clothing), HEc 215 (Foods and Nutrition I), HEc 216 (Foods and Nutrition II), HEc 224 (Home Management and Household Equipment), HEc 301 (Intermediate Clothing) OR HEc 302 (Tailoring) OR HEc 403 (Flat Pattern Designing) OR HEc 404 (Draping), HEc 321 (Consumer Economics and Family Finance), HEc 323 (Housing and Home Furnishings), HEc 331 (Child Development and Nursery School), HEc 335 (Family Relationships), HEc 401 (Home Management Residence), and six credit hours in Home Economics Electives. A total of 42 credit hours.

Library Education Curriculum

The prime objective of the Library Education Department and the curriculum developed by this department is to prepare school librarians for the Commonwealth of Pennsylvania. Qualified applicants from other states are also encouraged to apply. Evening, Saturday and Summer Sessions make it possible for in-service people to complete requirements for certification.

A student electing a program in Library Education must first complete two successful years in the Lower Division of the Liberal Arts.

The Upper Division of the Library Education curriculum consists largely of professional and specialized course offerings.

In addition to satisfying all other requirements, a major is required to complete a minimum of 24 hours of course work in the specialization of Library Education. Every Library Education major must satisfactorily complete work in the following: Lib. 342, Cataloging and Classification; Lib. 221, Reference Service and Materials; Lib 312, Library Organization and Administration.

During the first four semesters, a student electing the Library Education major must fulfill the following requirements:

He must, in addition to the below listed courses, satisfactorily complete the elective course work; from twelve to sixteen credit hours in the humanities (100 and 200 series courses); six credit hours in either mathematics or a foreign language; fifteen credit hours in the social sciences (100 and 200 series courses); and six or seven credit hours in the natural sciences.

The following course listing completes the Library Education requirements for the first four semesters: Lib 111, 160, 261 and 221.

The Library Education Electives for the Upper Division are as follows: Lib 312, 342, 380, 381, 401, 430, 462, 463, 486 and 491.

Prior to Lib 400 (Student Teaching), a requirement for Library Education, a student in the Library Education curriculum is required to take HEc 210.

Public School Nursing Curriculum

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements: (1) The satisfactory completion of a three-year curriculum in an approved school of nursing and registration by the State Board of Examiners for the registration of nurses of Pennsylvania, and, (2) The satisfactory completion of 62 semester hours of additional work as detailed below.*

A total of eight credit hours in Humanities. Nine credit hours in the Social Sciences and eight credit hours of additional courses in General Education including Psy 201 (General Psychology).

Professional Education courses include: Psy 230 (Educational Psychology); EdEl 350 (Child Development) OR Psy 240 (Adolescent Psychology); Ed 401 (History and Philosophy of Education) and Psy 210 (Psychology of Adjustment). 12 credit hours.

Required courses related to Public School Nursing are: PSN 300 (Public School Nursing) for 2 credit hours; PSN 301 (Public Health Nursing I) for 3 credit hours; PSN 302 (Public Health Nursing II) for 3 credit hours; PSN 303 (Foundations of Nutrition) for 3 credit hours. PSN 304 (Family Case Work) OR PSN 305 (Prevention and Control of Communicable Diseases) for 3 credit hours, and PSN 206 (Public School Organization) for 2 credit hours. 15 credit hours.

*(Course requirements subject to change.)

Music Education Curriculum

The Music Education program, leading to the Bachelor of Science degree, is designed to provide the necessary preparation for certification to teach music in the public schools. Believing that a music teacher must first of all be a musician, stress is given to the development of intelligent and thoroughly competent musicians who at the same time are competent educators and informed citizens.

Special Admission Requirements

All applicants for the music education program, once they have satisfied the requirements for general college admission, must take a personal audition (tapes are unacceptable) in which they demonstrate the following: (1) Evidence of average or above average musical aptitude as indicated by (a) a good sense of pitch, (b) rhythmic responsiveness, (c) adequate tonal and rhythmic memory. (2) The possession of an acceptable singing voice and the ability to (a) sing at sight a melody of the degree of difficulty of a simple folk song, (b) sing the alto, tenor, or bass part of a song of the degree of difficulty of "America." (3) Ability to play piano music of the degree of difficulty of the first book of a standard graded course of piano instruction, including equal facility in reading from the treble and bass clefs. Students who cannot meet the entrance requirements in this area will study without credit until they have removed the deficiency. (4) A working knowledge of the fundamentals of music theory such as scales, key-signatures, time signatures, and the symbols of music notation. (5) Sufficient performing proficiency on piano, organ, voice, or any band or orchestra instrument to serve as a basis for the development of a performing acquaintance with standard works of musical literature.

Audition Instructions

Students auditioning for the music department should come prepared to perform a prepared solo in their major performing medium. Piano or instrumental majors should also be prepared to play scales. Piano and voice auditions are required of all applicants. Audition on a band or orchestra instrument is optional for voice or piano majors. Applicants should bring music for each area in which they are auditioning.

Music courses to be included in the first two years are: Mus 111, 112, 213 and 214 (Basic Music I and II); Mus 121 (Survey of Music Literature); Mus 131, 132 (Eurhythmics I and II); and 12 credit hours of Applied Music and Ensembles.

General Education Electives should be so chosen that at least 12 credit hours are accumulated in two of the following areas and 6 credit hours in one of the remaining two areas: Social Science, Laboratory Science, Foreign Language, Mathematics.

For State Certification to teach it is necessary to have at least 12 credit hours of humanities, 6 credit hours of Social Science and 6 credit hours of laboratory science. The humanities requirement of 12 credit hours is provided for in the prescribed courses.

Applied Music Area

Minimum proficiency requirements: (1) Voice — sufficient skill in the use of the singing voice to function as a teaching medium in all areas of a public school music program.

(2) Piano — The following minimum standards in Piano apply to ALL students in the Music Education curriculum. These requirements may be satisfied at entrance or at any time BEFORE the student does student teaching. The final semester of **required piano credit** will be failed (F) if these requirements are not fulfilled at or before that semester. For example, if two semester hours of piano are required, the proficiency requirements would have to be met before second semester hour could be passed. NO STUDENT WILL BE ADMITTED TO STUDENT TEACHING WHO HAS NOT MET THESE REQUIREMENTS: (a) Ability to play musically and at a satisfactory tempo some of the accompaniments used in basic public school music series. (Grades 1-6 of the Methods courses.) (b) Ability to play in four parts (hymn tunes). (c) Ability to perform at singing tempo the following: Star Spangled Banner, America, Battle Hymn of the Republic and six others chosen and prepared by the student. (d) Ability to improvise a phrase in specific meter using simple and logical harmonic progressions. (e) Ability to harmonize a folk-type melody.

Ensembles and Organizations

Enmu 150 Band I (Concert Wind Ensemble)
Enmu 151 Band II (Marching and Symphonic Band)
Enmu 152 Band III (Varsity Band)
Enmu 153 Orchestra I (Symphony Orchestra)
Enmu 154 Orchestra II (Training Orchestra)
Enmu 156 Chorus I (Concert Choir)
Enmu 157 Chorus II (Festival Chorus)
Enmu 158 Chorus III (Freshman Chorus)
Enmu 161 Percussion Ensemble
Enmu 162 Opera Workshop
Enmu 163 Woodwind Ensemble

Enmu 164 Brass Ensemble
Enmu 165 Renaissance Singers
Enmu 166 Esquires Stage Band
Enmu 167 French Horn Ensemble
Enmu 168 String Ensemble
Enmu 269 Collegium Musicum
Enmu 170 Chamber Singers

Secondary Education Curriculum

The Secondary Education Department is the professional school established to conduct, and coordinate, within the college, programs for the preparation of secondary school teachers. Completion of a program will graduate students with a provisional certificate to teach in the Commonwealth of Pennsylvania. Programs are offered in the following major areas: Earth and Space Science, English, Foreign Language (French, German, Spanish), Mathematics, Science (Biology, Chemistry, Physics, General Science), Social Sciences (Geography, History, Comprehensive Social Studies) and Speech.

Lower Division

Prospective teacher candidates matriculate as members of the college's lower division. They receive their academic advisement from their respective academic department and must complete the General Education requirements of that department. Each student will also start his area of concentration. It is imperative to note that each student must complete twelve hours of Humanities, six hours of Natural Science, and six hours of Social Science.

One professional course is required in the lower division — Introduction to Secondary Education. All students must apply to the Secondary Education Department for admission into the professional school.

Admission to Major

Students remain in the lower division for the first four semesters. To progress into the secondary education major, the student must file formal application in the Director's office prior to completion of the fourth semester. In general, any student who is eligible to continue in the college will be admitted to his chosen major if his academic performance, as measured by grade point average, is above the minimum required for passing in oral and written expression; in psychological, sociological, and philosophical studies; and in those courses explicitly designated for specialization in the student's chosen academic major. Consideration will also be given to social reports of personnel deans, interview procedures, and department testing requirements.

Upper Division

Upon acceptance into the upper division, the student will complete his area of specialization and his sequence of professional courses, culminated by a field experience in student teaching.

Additional Department Requirements

Each secondary education major must certify completion of a department designed observation and participation program and an independent study project. The independent study project is an aspect of Ed 402 (Professional Seminar).

Professional Education requirements common to all teaching options are: Ed 200 (Introduction to Secondary Education), Psy 200 (Educational Psychology), Ed 300 (Secondary School Methods), Ed 301 (Evaluative Techniques), Ed 302 (Audio-Visual Communication), Ed 402 (Professional Seminar), Ed 401 (History and Philosophy of Education), and Ed 400 (Student Teaching — assigned on a semester basis).

Biology Major

To enter this major the following department required courses in General Education should be completed: Bio 210, 220; Chem 111, 112, 211, and 212; Math 102 and 112; Physics 201 and 202.

Upper division courses required for the B. S. in Secondary Education Biology major include the following: ten credits of Biology electives and Ed 300.

Chemistry Major

To enter this major the following department required courses in General Education should be completed: Chem 111, 112, 211 and 212, Physics 201, 202; Ma 112, 113, 212, Math elective or Math 102.

Upper division courses required for the B.S. in Secondary Education Chemistry major include the following: Chem 321, 322, 332, 410, 311 and Chemistry electives.

Earth-Space Science Major

In addition to those courses required in the lower division, students are required to schedule Math 112, 113, 212, 213, Astronomy I or Physical Geology. Two semesters of one of the following: Biology (One semester each of Botany and Zoology), Chem 111, 112, Physics 201 and 202 required.

Upon acceptance as a major the student must complete the following: two semesters of the Natural Science not taken as mentioned above; Astronomy I or Physical Geology not taken as mentioned above; Astronomy II; Space 303 (Space Dynamics), Space 306 (Stratigraphy); Geol 232 (Mineralogy), Geog 310 (Meteorology); Physics 404, Physics Seminar, and 12 hours of electives by departmental supervision.

English Major

By the end of the sophomore year an English Education major should have completed Eng 200, 201, 225 and one English elective.

Courses required for the B.S. in Secondary Education English major include the following: Eng 200, 201 (Survey of English Literature I and II), Eng 203, 204 (Survey of American Literature I and II), Eng 225 (English Grammar), Eng 235 (Advanced Composition), Eng 358 or 359 (Shakespeare), and fifteen hours of English electives.

English Education majors must attain second year proficiency in a foreign language. The requirement should be met by the end of the sophomore year.

Foreign Language Major

Educational objectives of the Foreign Language Department are so structured to meet the needs of students going into either teacher education or liberal arts.

Briefly, the Language Department provides instruction to meet the needs of students who wish to build a liberal education around the study of a foreign language, and its culture, develop language competence for comprehension, speaking, reading, and writing, teach in public or private schools, prepare for graduate study, enter the federal government service, private business, nongovernmental organizations, and other areas requiring a knowledge of foreign language.

Required courses for the Teacher Education Foreign Language major include: *Intermediate (French, German, Spanish) 201, 202; Conversation 300 and/or 305; Advanced Structure 320; Survey Literature 330, 331 and 12 credit hours of Literature Electives.

*Qualified students may substitute more advanced courses for Language 201, 202.

Teaching of Language Ed 300 is required of majors who plan to teach. The course is not considered part of the 30 semester hours required in the major language field. It is evaluated as a requirement under the Professional Program.

Freshmen and Sophomore prerequisite courses include: Semesters I and II, Foreign Language 201 and 202; Semesters III and IV, Foreign Language 330 and 331. (Qualified students may substitute a more advanced course upon recommendation of the Foreign Language Department.)

Geography Major

The B.S. in Education geography curriculum is designed to play a major role in teacher preparation, to develop major concepts, areal relationships, and geographic understandings of man and his total environment. Since the licensing of teachers is regulated by the fifty states, prospective teachers must use each state's guidelines if they are to qualify for that state's certification in geography.

Thirty-six hours beyond Geography 111 (Physical Geography) are required of all Geography majors. These hours will include a course in Geography of the United States and Canada (Geog 380), a course in either Introduction to Cartography (Geog 230) or Map Projection and Interpretation (Geog 231), a course in Economic Geography (either Geog 360 or 361), and the additional requirements as listed below for the B.S. degree in Geography: 12 hours in the Natural Sciences (lower division); 6 hours in Mathematics (lower division); 15 hours in the Social Sciences (lower division); and the following Geography courses: 6 hours in **Physical or Natural Environment**, 6 hours in **Cultural Environment**, 3 hours in **Regional Studies in Geography**, 6 hours in **Special Studies and Sequential Courses in Geography**, 6 hours of free Geography Electives, and 9 hours of the required courses Geog 230 or 231, 360 or 361 and 380.

History Major

To enter this major the following department required courses in General Education should be completed: Hist 101, 102, 201, and 202.

Upper division courses required for a B.S. in Secondary Education History major include: A minimum of 18 hours of upper division History courses with 6 credit hours work

in each of three areas of study (American, European, Non-Western); 12 credit hours of course offerings from Social Science. All History majors are asked to take Hist 300 (Historiography) in their fifth semester.

Mathematics Major

Secondary Education Mathematics Major required courses are: Math 112, 113, 212, 213, 215, 220, 250, 321, 329, 380, and four courses in Math electives.

If preparation in algebra and trigonometry is not adequate to permit the student to proceed immediately to Math 112 (Calculus I), he must complete Math 102 (Algebra and Trigonometry) in addition to the courses listed in the required courses for the major.

Physics Major

In addition to the courses taken by all lower division students, Physics Majors are required to complete the following: Math 112, 113, 212, 213, 215 (Analytic Geometry, Calculus I-IV and Differential Equations); *Chem 111, 112, and Physics 201, 202 (General Physics I-II).

After acceptance by the Physics Department, the following courses must be completed: Modern Physics, and 18 credit hours of Physics electives, plus Physics 404 (Physics Seminar). The student should remember one semester is spent "off campus" in Student Teaching — this precludes any physics electives during this semester.

Requirements other than those listed above are set by the Education Division.

Social Studies Major

To enter this major the following department courses in General Education should be completed: Hist 101, 102, 201 and 202, Geog 111, 102.

Upper division courses required for a B.S. in Secondary Education Social Studies Major include: Econ 201, 202 (Micro Economics); Anthro 201 (Physical Anthropology), Anthro 202 (Cultural Anthropology); Soc 201 (Principles of Sociology); Hist 306 (20th Century American History), Hist 241 (Europe in 20th Century); Pol Sci 201 (American Government), and Pol Sci 202 (State and Local Government).

Restricted Electives Group A (must take one course from this group): PolSci 340 (Comparative Government), Pol Sci 345 (International Relations).

Restricted Electives Group B (must take 2 courses from this group): Non-Western Cultures (These courses are most often found in Anthropology or History.)

Restricted Electives Group C: (must take one course at the 300 or 400 level in one of the following areas): Anthropology, Economics or Sociology.

The student must elect two courses at the 300 or 400 level of offerings in the Social Sciences.

Speech and Drama Major

During the first four semesters a student may select a variety of courses at the same time he is completing his prerequisite courses. **Fundamentals of Speech, Introduction to Theatre, Stagecraft,** and **Oral Interpretation** will fill prerequisite and major requirements.

Thirty-six hours of course work completes the major, although a student may take additional free electives in either **Theatre** or **Communications.**

* Recommended.

Required courses are: Spc 101 (Speech Fundamentals), Spc 110 (Introduction to Theatre), Spc 200 (Oral Interpretation), Spc 210 (Stagecraft), Spc 300 (Phonetics), Spc 302 (Bases of Speech), Spc 400 (Communication Theory) and SpEd 325 (Speech and Hearing Disorders), a total of 24 credit hours.

Required Electives (9 credit hours) are: Spc 301 (Voice and Diction), Spc 304 (Advanced Public Speaking) and Spc 410 (Play Production), plus 6 or more hours of Free Electives.

Special Education Curriculum

This program offers an undergraduate major in Special Education for the Mentally Retarded (Educable and Trainable). It leads to a Bachelor of Science Degree in Education and includes the granting of a Comprehensive Certificate for teaching mentally retarded children and youth in Pennsylvania. The curriculum develops skills needed in appraising the nature and origin of learning disabilities in retarded and other exceptional children. It considers appropriate school adjustments needed for these children and youth. To enhance the theoretical phases of the curriculum, provisions are included for students to get observation and field experience in such Special Education settings as the following:

Tioga and Bradford County Special Classes;

Martha Lloyd School, Troy, Pennsylvania;

The Laurelton and Selinsgrove State School and Hospital.

Lower Division students tentatively interested in this major should include the following in their first two years of General Education: Psy 100, 230; SpEd 101 and 201.

The Major Area of Specialization includes: SpEd 101 (Intro to Exceptional Children), SpEd 201 (Nature of Mental Retardation), SpEd 301 (Curriculum Adjustments for the Retarded), SpEd 302 (Diagnostic and Corrective Teaching), SpEd 303 (Observation and Participation in Mental Retardation), SpEd 401 (Teaching the Retarded in the Elementary School — or SpEd 402 or 403), SpEd 400 (Student Teaching in Mental Retardation), SpEd 410 (Professional Seminar in Mental Retardation), and 12 credit hours of Electives, for a total of 44 credit hours.

LIBERAL ARTS AND SCIENCES

Message from the Dean

In a day and age when amazingly swift communication is available, when the marvels of science are unveiled, when the knowledge of man has surpassed that of all the centuries and that man has arrived at a point in our universe where he is the center of creativity, we turn to the fostering, nourishing and conserving of that knowledge which will bridge the past with the future.

Liberal Arts is the basic means in which our society today conserves and transmits the knowledge of the past to our current and future generations. In so doing, an educated life is built on an accumulation of knowledge that forestalls the need to rediscover that which is now accepted and allows the mind of man to go beyond that to newer and larger heights. Further, it allows the mind the needed flexibility to face and change the future. Liberal Arts deals with the world of ideas, with the open and honest understanding that rapid change is now a normal part of our lives and that one must be geared to change or our society cannot survive.

In an age of unsurpassed military hardware and vast arsenals the future of mankind will not be preserved upon military might alone, but much more profoundly so by the ideas that gestate from the mind of man. Our science and technology has so far outrun our capabilities to harness them in sometimes less than frightening ways. Our society needs now, as never before, educated minds that can reach out with new ideas to close the gap between technology and humanity. Liberal Arts through thought-provoking, rather than technically oriented education, leads one to ponder the abstract, the innate and the world of the mind as a force in society.

Liberal Arts is also a force in preserving human freedom. No society can rise or endure without an educated body of citizens. In linking the long past to the present, we often call upon history for scholarly support and much of our philosophy concerning the role of the citizen in our society can and may be predicated upon the ideals of the ancient oath of the Athenian citizen:

We will ever strive for the ideals
and sacred things of the city,
both alone and with many; we
will unceasingly seek to quicken
the sense of public duty
we will revere and obey the city's
laws; we will transmit this city
not only less, but greater,
better and more beautiful than it
was transmitted to us.

From the Oath of the
Athenian City-State

Program Of Studies Leading To The Bachelor Of Arts Degree

The program of studies leading to a Bachelor of Arts degree consists of: (1) completing those General Education courses in the Lower Division (courses numbered 100-200) chosen to fulfill the requirements (see General Education Program, page 39); (2) complete a **maximum** of 36 Upper Division (courses numbered 300-400) hours in a major area of a department; (3) fill the balance of the necessary 128 hours required for graduation with elective courses; (4) acquire a minimum acceptable grade average to be eligible for graduation; (5) must have completed the last two semesters (or thirty hours) in Liberal Arts prior to graduation; (6) must have paid or satisfactorily adjusted all college fees; and (7) must be duly recommended by the Faculty, the Administration and the Board of Trustees.

Major Areas of Study

Within the Division of Liberal Arts may be found the twelve departments of: Biological Sciences, Chemistry, English, Geography, History, Languages, Mathematics, Political Science, Physics, Psychology, Speech and Drama, and Social Sciences.

In anticipation of "majoring" in a department beginning with the Junior year, a student should seek counsel and guidance from that department at the earliest possible date. During the fourth semester a student should complete a "major card" where he is accepted for study by a department. At that time, responsibility for completing all requirements — including all incomplete General Education requirements — will rest with the department consonant with overall coordination by the office of the Dean.

What is Liberal Arts?

Liberal Arts may be said to be the unifying force on campus that undergirds all further education. On the other hand, it is an entity in its own right that fosters and creates its own and unique disciplines. Without clarity of thought and precision in writing and speaking, a student cannot range very far in a world of sophisticated communications and understanding. In addition, bodies of knowledge, gained over the centuries, are transmitted through the humanities, natural sciences and the social sciences. These bodies of knowledge are humanizing influences on the mind of man. They allow one to reason thoroughly and work through a world of ideas by integrating knowledge from various fields and disciplines.

Liberal Arts is preparation for life through an enhancing of the abilities of man to prepare for the future. Programs in pre-medicine, pre-law, pre-dentistry, pre-veterinary science, background for business and management, for teaching, the professions and a host of vocational possibilities spring from the well of Liberal Arts.

Liberal Arts Graduates and the Future

Many Liberal Arts graduates begin careers, immediately following graduation, in commerce, industry and banking, in the armed services or political life, or in countless areas where a broad educational background is necessary. As a national average, however, more than one-third of recent college graduates in Liberal Arts areas attend professional and graduate schools within two years. They continue in medicine, law and dentistry; in engineering and education; and in graduate schools as a preparation for careers in research and teaching. The number of students entering professional and graduate schools is increasing each year.

Liberal Arts and the Professional Schools

Students planning courses of study leading to the professional fields of medicine, law or dentistry should consult with the Dean of Liberal Arts as soon as possible in planning their academic programs.

In general, professional schools expect applicants to present the bachelor's degree. However, many professional schools admit a few students of superior ability and promise after the completion of three years of college work. Liberal Arts offers these students a plan of study which will enable them to complete courses in two colleges simultaneously (Liberal Arts and Medical, Dental, or Law Schools) and thus shorten their academic career by a year, saving both time and money.

Medical and Dental Schools

Schools of medicine vary in their specific admission requirements, as do schools of dentistry. The student should become familiar with the requirements of the school he wants to enter and see that they are included in his program. Requirements for admission to most medical schools, however, follow closely those outlined by the American Medical Association and accepted by the Association of American Medical Colleges.

The student's attention is directed to the Professional Option in Medicine and Dentistry described following.

Professional Option in Medicine and Dentistry

Liberal Arts offers the Professional Option for those students who have been accepted by an accredited school of medicine or dentistry upon completion of three years of undergraduate work. The plan permits such students to take their senior year in the professional school by which they have been accepted, meanwhile retaining their connection with the college.

Liberal Arts grants the appropriate bachelor's degree to students in the Professional Option who have satisfied the following requirements:

Successful completion of three years, or 95 hours, in Liberal Arts.
Successful completion of the first year in the professional school.
Recommendation by the college and by the professional school that the degree be granted.

Schools of medicine and of dentistry accept only a limited number of applicants with three years of preparation.

Exercising Professional Option for Medical or Dental School

The following conditions must have been met before a student may exercise the Professional Option:

1. Ninety-five hours, exclusive of physical education, must be completed in Liberal Arts and Sciences.
2. The average for all work taken in Liberal Arts must be B or better (cumulative 3.0).
3. The basic area requirements included under General Education as prescribed for the bachelor's degree must have been fulfilled.
4. Fifteen credit hours toward the upper-division major must have been completed in the junior year.

Students who transfer into Liberal Arts may exercise Professional Option under the following conditions:

1. At least 63 hours in residence, exclusive of physical education, must have been completed.
2. These hours must include the basic requirements prescribed for the bachelor's degree.

Students who wish to exercise the Professional Option must give formal written notice of their intention to the Dean of Liberal Arts as soon as they have been accepted by a professional school.

The availability of the Professional Option plan to qualified students in Liberal Arts does not imply assurance of admission to a school of medicine or dentistry.

Veterinary Medicine, Commonwealth of Pennsylvania

A candidate for admission to study in veterinary medicine in the Commonwealth of Pennsylvania shall present evidence of having satisfactorily completed a minimum of two years of study in an approved college or university.

Minimum requirements for the two years of college study generally include:

Six semester hours of English and three of basic speech.
Eight semester hours of physics, including laboratory.
Eight semester hours of biology or zoology.
Eight hours of Chemistry with laboratory.
A balanced program including mathematics, social sciences and humanities (six semester hours each suggested).

Generally the foregoing requirements will cover most schools of Veterinary Science in the United States, but students should carefully review specific requirements for any particular professional school they have in mind.

"Professional Option" does not apply to Pre-Veterinary medicine.

Law School

Requirements

A broad, general education in Liberal Arts and Sciences is considered better preparation for the study of law than particular specialized courses. Pre-Law work should include social sciences (especially history, government and economics), humanities (especially philosophy and literature) and at least basic courses in physical and biological sciences, mathematics and public speaking. Law schools vary in their specific admission requirements; the student therefore should become familiar with the requirements for the school to which he intends to seek admission and integrate those required subjects in his undergraduate program.

Preference in selection of students at Pennsylvania and other law schools is given, first, to applicants who have a Bachelor of Arts Degree from a college or university which grants a degree approved by the Commonwealth of Pennsylvania; second, to students who have completed satisfactorily at least three years of undergraduate work in an approved school with a program of courses satisfactory to the faculty of the accepting law school.

Combination Liberal Arts-Law Course

The Liberal Arts-Law course enables students to earn the Bachelor of Arts degree from Liberal Arts and Sciences at Mansfield State College and the LL.B. or J.D. degree from an approved law school in 12 semesters, or six years, thereby saving a year both in time and expenses over the traditional seven years of study.

Freshmen may qualify for the program by application to the Dean of Liberal Arts. Students who have achieved a 3.0 or B average may, upon formal written notice to the Dean of Liberal Arts and Sciences, be qualified for the course during their second or third year. The essential necessity, however, is to meet the requirements of quality and curriculum in the program before admission to law school.

Students who transfer to Liberal Arts and Sciences and wish to qualify for the Liberal Arts-Law course must complete at least 63 credit hours in residence, exclusive of physical education, these hours to include such course work as is prescribed in the basic area General Education requirements for the Bachelor of Arts degree.

Students accepted in the Liberal Arts-Law course receive the Bachelor of Arts degree at the end of four years, subject to the following conditions:

The General Education requirements for Liberal Arts and Sciences must have been fulfilled, and 15 credit hours toward the major must have been acquired in the junior year, as well as at least 95 credit hours exclusive of physical education.

A cumulative average of 3.0 or B must have been maintained.

The first year of academic work in the accepting law school must have been completed with at least a C average and the course work must be acceptable to the Faculty of Mansfield State College.

Items of Special Interest to Arts and Science Majors

Thirty-Six Hour Rule: Not more that 36 hours of Upper-Division courses may be completed in a single department.

Fifteen-Hour Rule: Courses offered in another Division of the college and not approved for Liberal Arts credit may be elected to the extent of 15 credit hours as electives, excepting professional Education courses.

Thirty-Hour Rule: The thirty-hour rule requires that the last 30 credit hours of work for an A.B. degree shall be completed in Liberal Arts and Sciences.

Biology Major

The biology department curriculum in liberal arts primarily prepares the student for graduate school in biological areas which include dentistry, veterinary science, and medicine. However, a graduate in liberal arts with certain extra education courses is able to teach biology or general sciences in secondary schools.

In the lower division the student should include the following: Biology 210, Biology 220, Chemistry 111, 112, Chemistry 211, 212, Mathematics 102, and 112. In the Upper division the student selects nine biological electives and the other free electives with the help of a member of the biology department staff who acts as an individual advisor. Pre-medical and pre-dental students should take Physics 201 and 202 prior to their senior year.

Chemistry Major

To obtain the training necessary for qualification as a professional chemist or for entering a graduate program leading to a M.S. or Ph.D. degree in chemistry a prospective major should select the Liberal Arts (B.A.) Chemistry curriculum. This program also provides a very sound, and more than adequate preparation for the pre-professional areas of medicine, dentistry, pharmacy, veterinary science, and others. Minimum standards set up by the American Chemical Society for the B.S. in Chemistry have been adhered to in fashioning the Liberal Arts (B.A.) chemistry curriculum at Mansfield.

All prospective chemistry majors should have, or obtain in his first semester, preparation equivalent to high school algebra and trigonometry.

The following General Education courses should be completed to enter the Liberal Arts (B.A.) chemistry curriculum: Chemistry 111, 112, 211, 212; Physics 201, 202; Mathematics 112, 113, 212; German 201, 202; Mathematics elective (or Ma 102).

Courses in the upper division required for the Liberal Arts (B.A.) chemistry major are: Chemistry 311, 332, 321, 322, 420, 431; Chemistry electives (2 courses); Electives in related fields.

English Language And Literature

The Department of English teaches students to communicate feelings and ideas through the exact use of language; it enables them to read imaginative and intellectual texts with mature understanding and sensitivity. It develops in advanced students an understanding of grammatical principles and of the scope and continuity of English and American Literature.

Major: Thirty-six hours beyond English 102 are required of all English majors. The following courses must be included in the program of a student preparing to teach in the secondary schools: English 200, 201, 202, 203, 225, 235, and either 358 or 359. Except for Eng 225, the same courses must be included in the program of an English major in Liberal Arts. Both the English Education and Liberal Arts major are required to achieve second-year proficiency in a foreign language.

Minor: Eighteen hours beyond English 102 are required of students taking a minor in English. The following must be included: English 200, 201, and either 202 or 203. Neither Eng 210 or 211 may be used to satisfy requirements for a major or minor in English.

Foreign Language Major

Educational objectives of the Foreign Language Department are so structured to meet the needs of students going into either teacher education or liberal arts.

Briefly, the Language department provides instruction to meet the needs of students who wish to build a liberal education around the study of a foreign language, and its culture, develop language competence for comprehension, speaking, reading and writing, teach in public or private schools, prepare for graduate study, enter the federal government servvice, private business, non-governmental organizations, and other areas requiring a knowledge of foreign language.

Requirements for the Foreign Language major are: *Intermediate (French, German,

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*Qualified students may substitute more advanced courses for Language 201, 202.

Spanish) 201, 202; Conversation 300 and/or 305; Adv. Structure 320; Survey of Literature 330, 331 — for a total of 18 credit hours and 12 credit hours in Literature Electives.

Geography Major

The Liberal Arts (B.A.) program in geography has as its objectives: to develop an understanding of the spatial distributions and areal relationships of man in his total environment, to promote reasoning and research in Geographic concepts, to further the growth of the geographic viewpoint, and to help prepare those qualified geography students for advanced graduate studies.

To meet these objectives the Geography department offers undergraduate courses for students under three broad categories: (1) Those who wish to take one or more geography courses as electives under their general education program; (2) Those who are required to take courses in geography as part of their major area of concentration and, (3) Those who intend to do their major studies in geography.

Thirty-six hours beyond Geography 111 (Physical Geography) are required of all Geography majors. These hours will include a course in Geography of the United States and Canada (Geog 380), a course in either Introduction to Cartography (Geog 230) or Map Projection and Interpretation (Geog 231), a course in Economic Geography (either Geog 360 or Geog 361) and a minimum of 21 credit hours of Geography electives.

It is recommended that Geography majors consider 12 credit hours in related subject areas such as Anthropology, Economics, History, Political Science or Sociology.

It is further recommended that Geography majors select a minor in any of the Liberal Arts Curriculum areas.

History Major

The Bachelor of Arts program in History is designed for individuals who might wish to seek employment as a Historian by federal and state governments, museums and archives, the Federal Bureau of Investigation, and for a career in teaching at the college or university level. In the last instance advanced professional study toward the M.A. and Ph.D. degree is required. The Bachelor of Arts in History will enable the qualified student to enter graduate school in pursuance of these advanced degrees. This degree will also allow one to gain admission to law school. At the core, the Bachelor of Arts curriculum will give the undergraduate a full understanding of methods and concepts of historical investigation, an acquaintance with various schools of historical interpretation, and provide the necessary preparation for a successful and rewarding career as a professional Historian.

During the first four semesters the potential History major is advised to include the following courses in his schedule: Hist 101-102, Hist 201-202.

Requirements for History Major (B.A.): The student must register for a MINIMUM of 18 semester hours in the upper division History courses. However, he may take no more than 12 semester hours of concentrated work in any one of three areas of study (American, European, Non-Western). Also required are 12 semester hours selected from course offerings in the Division of Social Science. All History majors are asked to take Hist 300 (Historiography) in their fifth semester.

Mathematics Major

The Liberal Arts (B.A.) program in Mathematics is designed to prepare the student for mathematics positions in business and industry and for graduate work in mathematics. Many industries offer first-rate working conditions and challenging science-related activities for the student interested in a business or an industrial career. For the student who is able to exhibit academic talent, there is the possibility of further study in mathematics at other institutions. Almost all such students can expect to receive some sort of financial aid from the institution involved.

Students who plan to go into one of the following careers will need a good foundation in mathematics: Engineering and Architecture; Biological Sciences, Chemistry, and Physics; Business Administration; Accounting; Computer Science; Economics and Statistics; Insurance and Banking; Research in Pure and Applied Mathematics.

In addition to the required mathematics courses, General Physics 201 and 202 are required courses for all mathematics majors. It is suggested that these two courses be taken during the sophomore year to prepare the mathematics major for applied mathematics courses in the upper division.

A large body of mathematical literature is printed in foreign languages, especially French, German and Russian. Mathematics majors are strongly urged to acquire a proficiency in at least one of these languages equivalent to the completion of a second-year college language course.

Mathematics majors are required to take the following courses: Ma 112, 113, 212, 213, 215, 220, 250, 315, 316, 321, and 370 (all three credit hour courses); Math Electives (9 credit hours); a total of 42 credit hours.

If preparation in algebra and trigonometry is not adequate to permit the student to proceed immediately to Ma 112 (Calculus I), he must complete Ma 102 (Algebra and Trigonometry) in addition to the courses listed in the required courses for the major.

Music Major

The Bachelor of Arts degree program with a major in music is designed to provide a basic musical preparation with which to move into either professional study or graduate work in music. It should provide a musical background sufficient for entering those occupations allied to the musical world. For those who are not vocationally oriented, it should provide an education in music sufficient for the enrichment of life which such a knowledge of the art can bring.

Music courses to be included in the first two years are: Mus 111, 112 (Basic Music I and II), Music 213, 214 (Basic Music III and IV), Music 121 (Survey of Music Literature), and Mus 143, 144, 243, 244 (Piano).

Music majors are required to take the following courses: Mus 111, 112, 213, 214 (Basic Music I, II, III, IV) — 14 credit hours; Apmu 210 (Piano) — 4 credit hours; Music 222, 223 (Music History and Literature I and II) — 6 credit hours; Enmu 169 (Collegium Musicum) — 0 credit hours. Electives in Music — 12 credit hours.

Four semesters of participation is required in either band, orchestra, or chorus. Only one organization may be taken per year to meet the requirement. 27 credit hours of free electives are taken by advisement.

Political Science Major

The Department of Political Science offers a general background in the fields of American Politics, Comparative Politics, Political Theory and International Relations, leading to the Bachelor of Arts degree in Political Science. With further graduate work, or in combination with other fields of study, the program in Political Science assists in the preparation of students who are interested in careers in Law, Public Administration, City Management, Urban Development and Planning, Politics, Teaching and Educational Administration, Foreign Service, Public Opinion Research, and Journalism.

The student should take the following courses in Political Science in his first four semesters: Pol Sci 101 (Introduction to Political Science), Pol Sci 201 (American Politics), Pol Sci 202 (State and Local Politics), Pol Sci 203 (Foundations of Modern Political Thought).

For those students interested in Foreign Service it is recommended that emphasis (at least 18 of the 30 semester hours in Political Science) be in the International Relations or Comparative Government areas. Twelve semester hours should be in either American Politics or Political Theory.

For students interested in careers in the Public Policy area (Law, Public Administration, City Management, Urban Development, Public Opinion Research), it is recommended that 18 semester hours be taken in American Politics. Twelve semester hours should be in International Relations or Comparative Government.

All students will be required to take either Statistics or Computer Programming (Basic Fortran). Students should consider a minor in a related program such as Psychology, Sociology, Economics. It is recommended that fifteen hours be taken in advanced courses in these fields. Students who are interested in Foreign Service should be well-grounded in at least one modern foreign language. Six semester hours credit in a foreign language on an intermediate level may be substituted for the Statistics requirement.

Star Gazette Photo by Paul Updike

Secondary Education majors may take courses in Political Science for an emphasis. Political Science courses are open, when indicated, for a minor sequence, for General Education, or electives.

Psychology Major

The Mansfield State College Psychology Department provides two programs — the **Psychology** major and the **Human Relations** major. The Department of Psychology stresses the need for a broadly based background throughout the liberal arts disciplines. Majors in either Psychology or Human Relations are only required to complete certain courses within the discipline, and the remaining hours in both the lower and upper divisions, are viewed as free electives. The choice of all remaining courses should be based on the individual student's interests and motivation. No minor is required in the Psychology or Human Relations majors.

Since nearly all psychological professions require a graduate degree, the Psychology major is designed to give the student basic preparation for graduate work. It is designed to give the student an understanding of the empirical approach to the study of behavior, a knowledge of the psychological principles which have emerged from empirical research, and an acquaintance with the problems to which contemporary research is directed. The student is encouraged to make active use of his knowledge in two ways: (1) by developing through laboratory courses a working familiarity with the experimental method as applied in psychology and, (2) by attempting to apply known psychological principles to an understanding of the behavior of individuals and groups in all areas of human endeavor.

The department advises the potential Psychology major to include the following courses in the first two years of general education: Psychology 100, 200, 210 and 220.

Requirements for the major in Psychology are: Psych 100 (not credited toward the major) Psych 200, 210, 220, 300, 310 and 320. One of the following: Psych 330, 340, or 420. One of the following: Psych 350, 360, or 410, plus twelve hours of electives in Psychology, making a total of 36 hours in Psychology.

The requirements for a minor in Psychology are: Psych 100 and 15 additional hours in Psychology.

Human Relations Major

The Human Relations major, using certain psychology courses as a basis, offers a wide range of course patterns tailored to the needs and interests of students not going into graduate psychology. It could provide background preparation for such areas as Social work, Personnel work, Psychiatric Service work, etc.

The department advises the potential Human Relations major to include the following courses in the first two years of General Education: Psych 100, 200, 210 and introductory courses in at least two of the following: Philosophy, Economics, Political Science, Sociology, Anthropology, and Speech & Drama.

Requirements for the major in Human Relations are: Psych 100 (not credited toward the major), Psych 200, 210, plus 18 hours of electives in Psychology. A further 18 hours will be selected with the aid of the adviser from advanced courses in a related discipline or from advanced courses in various departments throughout the college to maximize a broad understanding of human interpersonal relationships.

Star Gazette Photo, Paul Updike

Social Science Major

The Liberal Arts (B.A.) program in Social Science is designed to prepare students for further work in advanced degrees in a variety of the social sciences. Students selecting this program should expect to take work in a number of disciplines and secure moderate depth in areas of their choice. Pursuit of this major is of interest and value to those students who are interested in a broad view of the social sciences. Such a broad view is of value to individuals when they make decisions in their economic, political and social life. Students seeking this broad base in the social sciences and who also plan for advanced work in specialized areas of the social sciences, should make decisions in choosing their electives that are compatible with their personal goals.

Recommended electives in general education include the areas of the Social Sciences, the Humanities, Geog 101, Geog 102, and Phil 201.

Required courses for the Social Science major are: (a) the student must choose to work in three of the following Social Science disciplines — Anthropology-Sociology; Economics; Geography; History; Political Science and (b) the student must secure 18 upper division credit hours in one of the above fields of his choice, 12 upper division credit hours in a second field, and 6 upper division credit hours in a third field. A total of 36 upper division credit hours are required for a major in Social Science.

Speech And Drama Major

This program seeks to develop the well-rounded student. Through a participation in all aspects of Speech and Drama a student obtains a broad and deep knowledge of the field. Although no special vocation is taught, a student may choose from a broad range of careers to which his course of study is particularly suited. The fields of politics, television, law, theatre, advertising, personnel work, public relations, teaching, and communications draw heavily from Speech and Drama. Because the curriculum meets the basic requirements for graduate work, the department encourages continued graduate specialization as preparation for specialized professions. A student may, of course, begin his specialization within the scope of this program by selecting courses of special interest, and through participation in theatre, debate, and oral interpretation as extra-curricular activities.

During the first four semesters a student may select a variety of courses at the same time he is completing his pre-requisite courses. **Fundamentals of Speech, Introduction to Theatre, Stagecraft,** and **Oral Interpretation** will fill prerequisite and major re-requirements. Thirty-six hours of upper division course work completes the major.

The required courses are: Spc 101 (Speech Fundamentals), Spc 110 (Introduction to Theatre), Spc 200 (Oral Interpretation), Spc 210 (Stagecraft), Speech 300 (Phonetics), Spc 302 (Bases of Speech), Spc 400 (Communication Theory), SpEd 325 (Speech and Hearing Disorders). Required electives are: Spc 301 (Voice and Diction),
Spc 304 (Advanced Public Speaking),
Spc 410 (Play Production), plus six or more hours of free electives.

GENERAL EDUCATION PROGRAM

Philosophy of the Program

In a day and age of much extreme specialization, no well-educated person can function without a broad and substantial background of ability to write cogently, speak clearly, understand his Western heritage and have a broad conception of the universe. Such a background cannot be achieved by embarking upon a road of narrow specialization immediately, but rather to build particular competency upon a broad base of knowledge from different fields. An undergraduate education is much like a pyramid, with a broad base of knowledge in several fields or a "General Education" and then the student's education will largely culminate in the apex of the pyramid where a specialization is superimposed upon a wide understanding of the universe. Whether one goes into Education, Law, Medicine, Government, Management, or a whole host of alternate career goals, all presuppose a broad, basic general education.

Program

In order that each student may design a course of study that will meet his individual needs, intents, desires and interests, yet provide a common undergirding of study, alternative choices of courses are offered. However, **along with freedom of choice goes a careful responsibility on the part of each student to carefully plan his particular course of study.** Faculty advisors are available and are willing to help, but the prime responsibility for designing and tailoring his academic program remains with the student. Basically, the student is free to choose from among alternative courses of study, should he so desire.

The General Education Program

At Mansfield State College each Freshman enters through the "General Education Program." Through this program each student may conceive a course of study during the Freshman and Sophomore years that will broadly prepare him for a major area of study during his Junior and Senior years at the college. The student may or may not have a future area of study in mind at the time of entrance, and he need not have, yet the General Education Program is structured broadly enough to cover most alternative possibilities. Should a student, who had pre-planned for a future specific area of study, wish to change his career goals and consequent course of study prior to being accepted to a major in the Junior year, that student may generally do so without difficulty as to loss of time, credits or finances. In most cases he will simply be re-assigned to work with a new academic advisor. In short, the first two years of study are considered flexible enough that students may move from area to area without jeopardy.

On the other hand, should a student enter the college with a pre-planned course of study and a future "major" in mind, he may certainly embark upon that program immediately with the aid of a faculty advisor from the student's area of interest.

During the fourth semester a student will apply to a department for acceptance as a "major" in that department. It will be the student's responsibility to initiate this process and it will be the department's prerogative to accept or not accept a student into the major.

Star Gazette Photo by Paul Updike

Alternative Courses of Study

Alternative "Group Requirements" are listed for the convenience of the student in designing his personal program. In choosing courses of study during the first two years at the college, only English, Speech, Health and Physical Education are required. However, students first must complete, in addition to English and Speech, two courses from four of the five "Groups" listed below. In addition, he should, prior to the Junior year, have followed up with two courses in three of the four groups previously elected. In most cases a student will have several courses as electives during the Freshman and Sophomore year where he may freely choose from any area of the college excepting professional Education courses.

Group Requirements
(Freshman and Sophomore)

	Credits
English 101, 102	6
Speech 101	3
Health	1
Physical Education	1
Group I Humanities	
Group II Foreign Languages	
Group III Natural Sciences	
Group IV Mathematics	
Group V Social Sciences	
Electives	12

Alternate Courses For General Education Requirements

GROUP	FRESHMAN COURSES
I. Humanities	
English	English 101-102*
Speech	Speech 101*
Art	Art 101
Literature	
Music	Music 100, 121, 131-132, 111-112, 222-223
Philosophy	Philosophy 201-202
Drama	Speech 110
II. Languages	
French	French 101-102, 201-202
German	German 101-102, 201-202
Spanish	Spanish 101-102, 201-202
III. Natural Sciences	
Biology	Biological World
Chemistry	Chemistry 101-102, 111-112
Geology	Geology 120, 212
Physics	General Physics 201-202 Physical Universe 101
IV. Mathematics	Math 101-102 or 102-210
V. Social Science	
Anthropology	Anthropology 201,202
Economics	Economics 201, 202
Geography	Geography 102, 111
History	History 101-102, 201-202
Political Science	Political Science 101, 201-202, 203
Sociology	Sociology 201
Psychology	Psychology 100

*Required courses for all Freshmen

EDUCATION

Professional Division--Prerequisite Courses

MAJOR	FRESHMEN
Art Education	Art 102, 222 Art 210, 295 Art 241
Elementary Education	None
Home Economics Education	HEc 100 HEc 102 HEc 103
Library Education	Lib 111 Lib 260
Music Education	Mus 111-112 (Basic Music I, II) Applied Music (6 sem. hrs.) Mus 121 (Survey of Music Lit.)
Secondary Education	None
Special Education	Spec. Ed. 101
Public School Nursing	See Advisor for General Education and certification requirements.

Notes on General Education

Two courses must be first completed in four of the five Groups listed. In addition, two more courses must then be completed in three of the four Groups first chosen.

Entering students should understand that most courses may be waived or completed for credit by departmental examination. If the former is anticipated and consummated, Group Requirements may be bridged into more advanced work at the discretion of the department.

If a student elects a foreign language, basic competency is the requirement. This may be translated as two years (four courses) of beginning and intermediate courses **or** two courses of intermediate or more advanced courses. Should a student elect the latter, Group II may be completed by six (6) credit hours of Language.

If a student elects Mathematics (Group IV), this Group will have been considered completed by six (6) credit hours of more advanced mathematics courses beginning with Calculus.

Students electing a Natural Science must have completed a minimum of two courses which include laboratories.

Students planning a tentative future in the field of Education must include (for State Certification requirements) a minimum of twelve (12) credit hours in the Humanities, six (6) credit hours in the Sciences and six (6) credit hours in the Social Sciences.

Where pre-professional programs of Pre-Law, Pre-Medicine, Pre-Dentistry, Pre-Veterinary Science or other such programs are tentatively anticipated, the student should see the Dean of Liberal Arts and Sciences.

While it may be possible under some circumstances to defer some group requirements past the Freshman and Sophomore years, the requirements of most majors make it mandatory to finish group requirements promptly, since the student, in consultation with his advisor must select the prerequisite and requisite courses to support his intended major.

THE COLLEGE LIBRARY

The College Library aims to provide its users with a well-selected and representative collection of books, periodicals, documents, pamphlets, micro-texts, and related materials in all fields of study. It now contains more than 90,000 volumes and 30,000 micro-texts. In addition, it subscribes to approximately 800 periodicals. As of 1968, it became a selective depository for U. S. Government Documents.

An experienced team of reference librarians with specialized subject backgrounds is on hand in the Reference Room to help users exploit its resources. If specialized research materials are not available in the Library's collections, users may ask the reference staff to borrow them on interlibrary loan. A teletypewriter is used to speed inquiries.

The Library is located on the top two floors of Alumni Hall. An addition to this building, to be completed in 1970, will provide expansion room until the Library can occupy a separate $4½ million facility in 1975. This new facility will be necessary in order to accommodate the Library's projected growth to a minimum collection of 100 volumes per student.

Photo, Elmira Star Gazette, Paul Updike

THE STUDENT PERSONNEL PROGRAM

Purposes

The student personnel program at Mansfield State College is dedicated to the development of an overall campus environment — including the physical, social and academic environments, and the emotional and spiritual atmospheres — which will be conducive to the student's basic needs and aspirations. The college assumes that one of the basic aspirations of the student is the pursuit of academic excellence. Placed high on the student's basic needs is the desire for an active social and intellectual interaction between student and student, student and faculty members, and student groups and faculty groups. Priority for exchange of views, ideals, and thought, is basic to the development of a culture centered personnel program. We should continuously strive to achieve our purpose by providing the proper environment — comfortable resident halls, adequate recreational and social facilities and programs, sound curricula and superior teachers, reasonable codes of conduct and an opportunity for spiritual relaxation.

Student Government

Mansfield State College believes that student participation in the direction of the student's own affairs has been one of the most important developments in the college's history. As the students assume more responsibility for their own codes of conduct, modes of group and individual activities, and spheres of intellectual developments, the privilege of self-government shall be broadened. The college and the students accept the fact that self-direction and government require responsible, serious minded, sincere, and knowledgeable students who are willing to assume the obligations and responsibilities of governing. The broad base for the student government program is founded on the Student Government Association which includes in its membership all full-time and part-time Mansfield State College students. Monthly meetings are held for airing problems and for voting on major issues. During the monthly meetings hearings and reports received by action of the Student Council are reported for appropriate action.

A Student Council is elected yearly to represent the Association on all college affairs. This organization meets biweekly and conducts the normal business of the Association. The Student Council is represented by a president, vice-president, treasurer, secretary, adviser, four delegates-at-large, and four class presidents.

Photo, Elmira Star-Gazette, Paul Updike

Student Personnel Services

Living Accommodations. Our students reside in college resident halls, in college owned homes, in approved homes in Mansfield, or in their parents' homes. The college believes that some experience in resident hall living is beneficial to the student's social and emotional maturity; therefore, freshmen students are required to live in the resident halls unless the student commutes from his home. Upperclassmen may be required to live in resident halls when facilities become available. Upon application to the appropriate dean of men or women, exceptions to this rule may be granted. Exceptions may be granted in cases involving age, marriage, and extenuating circumstances.

Sophomore, junior and senior students may request of the respective personnel dean to reside in off-campus housing.

All students who plan to reside in college-owned residence halls must continue in residence therein for the entire academic year unless they begin student teaching assignments or other contingencies. Changes in housing plans must be cleared through the appropriate Dean of Men or Women.

General and specific residence hall regulations are outlined in the Student handbook, The Password, and in the men's and women's residence handbooks, "Unity Hall" and the "Manorette", respectively. In addition specific residence hall regulations drawn up and enforced by the men's and women's dormitory councils are available to each student upon request.

Mansfield State College wishes to have residents representing all creeds, races, ethnic,

and cultural groups, living in college resident halls. Therefore, in compliance with the Pennsylvania Fair Education Practice Act, all resident assignments shall be made without regard to race, religion, color, ancestry, or national origin. Having accepted the Pennsylvania Fair Education Practice Act, we feel that a cross section of cultures has been provided, thus making a cosmopolitan community.

CLASSIFICATION OF STUDENTS BY RESIDENCE

1. **Resident students** — Those who live in resident halls or college owned homes.
2. **Off-campus students** — Those who have selected college approved housing in the community of Mansfield.
   a. **Town students** — Those who reside with their parents, legal guardians, or are married and reside in Mansfield.
3. **Day students** — Those who commute daily to and from the college.

Male students under 21 years of age who desire to room off campus other than their own homes, must secure the written permission of their parents and the Dean of Men. A list of approved homes in Mansfield is available in the offices of the personnel deans. Financial arrangements for renting rooms or apartments are made directly between the home owner and the students. All students must secure contracts from the personnel deans.

RESIDENT HALL SERVICES

Personal Laundry. Personal laundry facilities are available to all resident hall students. These facilities are located in the basement of each resident hall at a cost of twenty-five cents per load of ten pounds. All students may secure personal laundry service from a contracted laundry. The service includes personal laundry items on a cost per item basis or bulk price service.

Campus Store. A book and supply store is operated by College Student Services, Inc. Profits accrue to College Student Services, Inc. for the furtherance of student life. The bookstore is open from 8:30 a.m. to 4:00 p.m., Monday through Friday. During registration week the store is open additional hours as posted, to aid the students in purchasing textbooks and classroom materials.

SPECIAL PERSONNEL SERVICES

The Dean of Student Affairs is responsible for general student welfare. Students are encouraged to consult with him on any matter when the need arises.

Counseling Service. Students desiring help with personal problems of any nature can receive individual attention in the office of any of the personnel deans or the counseling center which includes a psychological clinic.

Problems involving resident hall matters may be cleared through resident assistants and dormitory counselors.

Testing and Counseling Center. The center provides the following services: (1) it administers the standarized testing program of the college, (2) it provides educational and vocational counseling services to college students, and (3) more intensive and personal counseling to those students who require it.

Standardized tests are administered, scored, processed, and interpreted by the staff of the center. The center administers national, state, and local batteries such as the Graduate Record Examination which is given to all sophomores and seniors as well as transfer students applying for graduate standing. In addition tests of ability, achievement, aptitude, personality and interest are administered for counseling, selection, and research purposes.

The staff is available to work individually with students. Through the counseling process students are assisted in solving problems within the broad areas of educational and vocational planning, personal-social development, and family or environmental pressures with the aim of helping them develop both as professional people and individuals. Emphasis is placed on counseling initiated by the student and every effort is made to assist each individual in self-appraisal, in recognizing the motives of his behavior, and accepting responsibility for his decisions and actions. Referral may be made by any staff or faculty member.

Financial Aid. Information concerning financial aid, student employment and scholarships is available from the Financial Aid Officer.

Insurance. The college has arranged for excellent sickness and accident insurance for all students at a minimal cost. All students are urged to have either this policy or a comparable one.

The college policy is available only at the time of registration.

Student Health Service. The infirmary contains a new well-equipped dispensary and rooms providing overnight beds. The college nurses and staff are on duty or on call at all times, and the college physician makes regular visits on Monday through Friday. A preventative health program is conducted which includes tuberculin tests, influenza vaccines, tetanus immunization, allergy vaccine, and diabetes injections.

Veterans Service. All veterans affairs are conducted through the office of the Dean of Men. All new students eligible to enter with veterans benefits should apply to their nearest Veterans Administration Regional office for official certificates or supplemental certificates of entitlement. This application for entitlement should be made only after the veteran or eligible student has been officially notified of his admission.

Mansfield State College is approved to provide training for eligible persons under the provisions of Public Law 634.

A student who is seeking deferment must complete a SS 109A form, which will be submitted to the student's local Selective Service Board by the Office of the Dean of Academic Affairs. All men students file a SS IBM card at the fall term for identification purposes.

Placement Service. Mansfield State College maintains a Placement Office for the service of its graduates. Its purpose is to aid students and graduates in obtaining desirable positions related to their interests and type of education.

Confidential folders are maintained for all graduates who are registered with the Placement Office. Such folders are available to responsible employing officers. Interviews are arranged at the college or in the employer's office, whichever is more suitable. Students are encouraged to register with the Placement Office and make use of its services.

Photo, Paul Updike

General College Regulations

Students at Mansfield State College are expected to manifest unimpeachable moral character and to maintain high ideals in their personal behavior. Upon enrolling in the college every student thereby binds himself to observe the rules and regulations of the college. The college reserves the right to exclude at any time a student whose conduct or academic record proves unsatisfactory.

Mansfield State College Social Code of Conduct. The traditions and principles of Mansfield State College which are to be accepted by every student upon registration, decree that the student will conduct himself at all times as a lady or gentleman and maintain standards which are consistent with good social practices and the policies outlined in the **Password.** College rules pertain to all students regardless of age or location of college residence.

Basic to the Social Code of Conduct are the regulations governing the alcoholic beverage policy, gambling, public disturbances, and student obligations and responsibilities. These policies have been formulated by a joint student-faculty committee and adopted by the Student Government Association, the Faculty Association, and the College Board of Trustees. Additional information regarding the Social Code of Conduct is stated in the **Password,** the official student handbook.

The responsibility of enforcement of the Social Code of Conduct is the responsibility of the Mansfield Judiciary System. The judiciary system has been established to protect the students' individual rights as well as the welfare of the institution regulated by the laws of the Commonwealth of Pennsylvania. A detailed description of the Mansfield Judiciary System is outlined in the **Password.**

Special Regulations — Automobiles. The Traffic and Safety Committee, composed of students, faculty, and administrators has formulated the following policies regarding the use of automobiles by college students.

1. Freshmen and Sophomores under 21 years of age, while in residence at the college or have off-campus status, are not permitted to operate motor vehicles.
2. Juniors or Seniors who are under 21 years of age, may submit applications for permission to have automobiles on campus, through the office of personnel deans; these applications to be accompanied by parental permission in writing.
3. All students who have or use automobiles must register them with the security officer during Registration.

Regulations are distributed at the time of auto registration. Students are responsible for knowledge of traffic and parking regulations and for obeying same.

Student Activities And Organizations

The student activities program has been organized to encourage student participation in many areas of social, ethical, cultural, and recreational life. With a wide variety of activities each student is given the opportunity to enlarge his cultural development through group participation. The entire program is a supplement for classroom learning, social living, and spiritual fulfillment.

The development of the Activities program, fitting it to the wishes and needs of the students, and coordinating its many areas of activity into the total college community, is the responsibility of the Dean of Student Affairs and Student Government. All scheduling, regulations, policies, and questions related to student activities including evaluations of individual organizations, are acted upon by the Student Council and subject to the approval of the Dean of Student Affairs.

Publications

The Carontowan. Dedicated to student life at Mansfield, the yearbook is published by a board selected chiefly from the junior class. Each student receives a copy.

The Flashlight. The student newspaper, published weekly, is written by students interested in journalism and distributed to all students and faculty members.

The Password. This student handbook is published annually by the Student Council and is dedicated primarily to freshmen. It contains information about the college and campus life.

Student Government Structures

The Judiciary System. A court system has been established at Mansfield State College to protect the students' individual rights as established by the Constitution, as well as to protect the welfare of the institution regulated by the laws of the Commonwealth of Pennsylvania.

The Mansfield Student Government Association and The Student Council. Each student is a member of the Mansfield Student Government Association. In order to carry on the business of this group, the students elect 16 members to serve on a Student Council. The council plans the activity program, approves the dates for college meetings and forwards student opinions to the administration. The success of student government depends on the interest and enthusiasm of each student.

Religious Organizations

Kappa Phi. The aim of this organization is closer organization among Methodist women for the promotion of religious training and a wholesome social life.

Lutheran Student Association. This organization exists to promote fellowship and spiritual development for students of any Lutheran background. Meetings are held in one of the town churches — either the Episcopal or the Methodist.

Newman Club. The purpose of this Catholic club is to foster the spiritual, intellectual, and social interests of Catholic students. Activities include fall and spring communal breakfasts, spiritual talks by the clergy, panel discussions and social events.

Student Christian Association. Part of the Student Christian Movement, this organization is open to all students. It strives to develop spiritual, moral and social relationships among individuals. Programs of music and discussion are scheduled for weekly meetings.

Honor Fraternities

Alpha Psi Omega. A national honorary dramatic fraternity. Membership is limited to outstanding participants in The Players.

Delta Phi Alpha. This is a German honorary fraternity which seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. In order to qualify for membership a student must have a minimum of twelve semester hours of college German and indicate a continued interest in the study of German language and literature.

Gamma Theta Upsilon. An honorary national professional fraternity. Membership is open to both men and women students who have completed at least six semester hours in geography with at least a 2.5 average, have declared an intent to major or minor in geography, and have an overall scholastic average of at least 2.25. It seeks to recognize ability and accomplishment in the field of geography and to promote geographical education.

Kappa Delta Pi. An educational honorary society which aims to set up worthy scholastic and professional life. Juniors having six and seniors having twelve semester hours of education and who rank in the upper quintile of their class, are eligible.

Kappa Kappa Psi. Kappa Kappa Psi is a men's national honorary band fraternity whose purpose is service to the band and to the alma mater. Membership is open by invitation to any male college student who has been a member of one of the college bands for at least one semester and who has a 2.0 QPA.

Kappa Omicron Phi. A national honorary home economics sorority. Members are selected on the basis of scholarship, professional attitude, and character. The number may not exceed 20 per cent of the enrollment. The aim of Kappa Omicron Phi is to develop women with higher ideals of sane living, with deeper appreciation of the sanctity of the American home, with broader social and higher intellectual and cultural attainments.

Sigma Alpha Iota. A local music sorority which encourages high standards of musicianship and scholarship. To be eligible for membership, a woman music student must be at least a first semester sophomore. She must have earned an A in an applied music subject, an average of B in her music studies, and an average of C in her academic studies.

Phi Mu Alpha Sinfonia. A national professional musical fraternity for men who are interested in music either as a profession or as an avocation. The fraternity's aims are to advance the cause of music in America, to foster the mutual welfare and brotherhood of students of music, to develop true fraternal spirit among its members, and to encourage loyalty to the alma mater.

Phi Sigma Pi. A national education fraternity for men in teacher preparation institutions. Its ideals are character, knowledge, and fellowship. Its personnel is limited to men of superior scholastic, professional, and social standing, who have spent at least one year at college.

Sigma Zeta. A national science honor society restricted to upperclassmen. It seeks to recognize ability and accomplishment in the various branches of science. Meetings, field trips, and special projects make active membership in the organization pleasurable and worthwhile.

Tau Beta Sigma. Tau Beta Sigma is a woman's national honorary band sorority whose purposes are service to the band and to the alma mater. Membership is open by invitation to any woman college student who has been a member of one of the college bands for at least one semester and who has a 2.0 QPA.

Omicron Gamma Pi. This organization for all home economics students holds monthly meetings consisting of lectures, reports and news in the home economics field. The organization keeps in close touch with related national activities.

Departmental Clubs

Chemistry Club. The purpose of the club is to afford an opportunity for the students of Mansfield State College to become better acquainted with the field of chemistry, beyond the classroom and college laboratory. Membership is open to students at MSC with a 2.00 scholastic average and enough interest in chemistry to pay a small due.

Council for Exceptional Children. An affiliate of the national organization of the same name. Membership is open to college students interested in becoming teachers of children who are mentally retarded, gifted, physically handicapped, or speech defective. Regular meetings provide opportunities for members to meet and talk with specialists in the field. The organization also plans other activities of interest to the group such as sponsoring parties for area special class children. Visits are made to special schools and institutions.

Debate Club. Debate as a tool of citizenship is encouraged. Topics of national importance are prepared for intercollegiate, interclub and radio presentation. The program includes both novice and varsity competition and is open to all interested students.

Music Education Club. This departmental organization is open to all music students. It aims to acquaint members with current activities and developments in the field of music education. At monthly meetings, programs augment instructional activity. The organization sponsors a limited number of social events.

Musical Organizations

Concert Choir. Membership by audition only. Open to all students in the college. For each semester of participation a grade of Satisfactory is required.

Freshman Chorus. Open to all students in the college. All freshmen in the music curriculum are required to belong to this organization for each semester during the freshman year. A grade of Satisfactory is required.

Festival Chorus. Open to all students in the college. All students in the music curriculum who are not in the Concert Choir and Freshman Chorus are required to sing in this chorus at least five semesters beyond the freshman year. A grade of Satisfactory is required for each semester of participation.

Collegium Musicum. Discussion and informal performance of music from the beginning of the Christian era to the present day, with special emphasis on works for small vocal, instrumental, and mixed ensembles. Authentic early instruments are used. Intended primarily as a complementary activity for students in music history classes, but open to all interested and qualified students.

Concert Wind Ensemble. Members are selected by audition. In addition to concerts on campus, this group tours twice a year. Membership is open to any qualified college student.

Stage Band. Both a professional and academic activity, the 16-piece band, known as the "Esquires," rehearses twice each week for academic credit, plays for large college dances and fills outside engagements.

Marching Band. Members are selected by audition. The Marching Band plays for all home football games and some off-campus games. Membership is open to any qualified college student.

Symphonic Band. After the marching season, the Marching Band is reorganized to form a concert band. This group studies a wide variety of band literature and presents concerts on campus.

Opera Workshop. Two major musical productions are presented during the academic year. A "road company" performs scenes from opera and musical comedy for schools and service clubs in the region. Singers, dancers, actors, musicians and stage craftsmen who meet the director's approval are welcomed.

Orchestras. The orchestras give students of all levels of technical proficiency experience in playing orchestral literature, and opportunities to observe orchestral procedures. Open to all qualified students.

Renaissance Singers. A vocal chamber ensemble selected by audition to sing a repertoire that is more appropriate for a smaller group. The music performed ranges from the Renaissance to contemporary compositions. Concerts are given at the college and off campus by request.

Small Ensembles. Two periods each week are kept open for rehearsals of small vocal and instrumental groups, which provide opportunity for the development of musicianship and the mastering of procedures and materials of the medium.

Athletics

Intercollegiate. The athletic program of Mansfield State College is intended to supplement the academic curriculum and to complement the social and recreational opportunities afforded students by the many other activity programs sponsored by the college. Athletic policies and practices are the joint responsibility of the Athletic Policies Committee, The Student Council and the Administrative Council. Operation and supervision of the program of intercollegiate athletics is the responsibility of the Director of Athletics, assisted by the Athletic Policies Committee.

Opportunity is provided for all men students who are physically eligible and subject to the rules and regulations governing intercollegiate competition to participate in intercollegiate baseball, basketball, football, golf, tennis, track and wrestling.

Intramural and Recreational. In addition to the intercollegiate program, a wide variety of intramural sports is encouraged. These include tennis, basketball, volleyball, bowling, badminton, touch football, roller skating, shuffle board, wrestling, and track. Many students also enjoy excellent hunting and fishing in the area as well as winter sports.

Special Interest Organizations

Art Club. An organization for all students interested in the promotion and appreciation of the visual arts. Also maintains a monthly exhibition series at the Art House Gallery, 167 South Academy Street and offers a service to campus organizations desiring esthetic guidance.

Campus 4-H Club. A club to develop leadership and citizenship and provide educational and recreational opportunities and to render service to the club, the community and the country.

Marching Band. The marching band is active during the football season, after which its personnel is absorbed into other wind organizations.

M Club. Open to all men who have earned a varsity letter in one or more intercollegiate sports, this club aims to encourage wholesome living and good sportmanship and to stimulate interest in athletics.

Men's Recreation Association. Established to create and develop interest in athletic and other recreational activities which may be enjoyed during and after college years; seeks to foster sportsmanship and clean living.

Campus Girl Scouts. Organized and chartered by the Girl Scouts of the USA in 1969 the Mansfield State College Girl Scouts attracts former girl scouts who wish to continue this interest either as a volunteer or professionally upon completion of the baccalaureate degree.

The Players. Students interested in acting are selected by tryout. Applications are welcome from students interested in costuming, makeup or staging.

Radio Station. In the spring semester of 1968,WNTE FM Campus radio station made its appearance. It is a non-profit operation financed entirely by student funds.

Student PSEA-NEA. A chapter of the Student Pennsylvania State Education Association and the Student National Education Association. Its purpose is to provide members with opportunities for (1) personal and professional growth; (2) development of leadership skills; (3) understanding of the history, ethics, and programs at the state

and national levels; and (4) participation in professional activities at local, state and national levels. Any student enrolled at Mansfield State College and interested in education may become a member.

Women's Athletic Association. The Women's Athletic Association provides facilities to create and to develop interest in athletic and recreational activities which have a carry-over value for worthy use of leisure time. Membership is open to all women students. It is a very active organization which operates solely in the interest of the women students.

Social Fraternities and Sororities

Alpha Sigma Tau. The first social sorority to be formed on Mansfield's campus. Alpha Sigma Tau consists of women representing a cross section of all curricula. Its aim is to promote ethical, cultural, and social development of its members and the student body. Membership is limited to second semester freshmen and upperclassmen with an academic average of 2.2 or above and no record of social probation.

Delta Zeta. Iota Theta chapter of Delta Zeta was formally installed on Mansfield's campus March, 1966, bringing with it the need for a National Panhellenic Council. The object of this sorority is to unite its members in the bonds of sincere and lasting friendships, to stimulate one another in the pursuit of knowledge, to promote the moral and social culture of its members, and to develop plans for guidance and unity in action. It is preferred that any girls with a class standing of second semester freshman or above, wishing to pledge to Delta Zeta, have an academic average of above a 2.0 and no record of social probation.

Chi Psi Omega. Chi Psi Omega was founded on March 8, 1966 and recognized as a social club working toward sorority status. On September 28, 1966, local sorority status was established. The purpose of Chi Psi Omega is to promote lasting friendships, and maintain high standards of honor, loyalty, and service. The sorority is engaged in several campus activities and has made contributions to Homecoming, the banner contest, Grecian sing, and dining room decorations. Membership is limited to second semester freshmen and upperclassmen with an academic average of 2.0.

Panhellenic Council. Panhellenic Council consists of three members from each sorority on campus. Its function is to coordinate sorority functions and to supervise all rushing procedures.

Phi Sigma Epsilon. Phi Sigma Epsilon was established as a social fraternity on the Mansfield campus in April 1962. The Mansfield chapter of Phi Sigma Epsilon is recognized as Phi Nu Chapter. The aims of Phi Sigma Epsilon are to stimulate higher standards of scholarship; promote intellectual, moral, and social ideals; foster college spirit and perpetuate friendship and social ties. The membership of Phi Nu Chapter is limited to second semester freshmen and upperclassmen with academic averages of at least 2.0.

Sigma Tau Gamma. A national social fraternity. The purposes of this fraternity are to promote the highest ideals of manhood, brotherhood, and citizenship. It shall seek to promote social, cultural, scholarly, recreational, and benevolent fraternal relations for Mansfield State College and the members of the organization. One full semester of college courses and a cumulative average of at least 2.1 is required for membership in this fraternity.

Phi Sigma Kappa. Phi Sigma Kappa was officially installed on Mansfield's campus in the spring of 1966. The fraternity thrives on the three cardinal principles: promote brotherhood, stimulate scholarship, and develop character. The individuals in the fraternity strive to promote a social and cultural aspect for its members and the rest of the students both on and off campus. The fraternity is open to all second semester male freshmen and upperclassmen. A cumulative 2.00 average is required for admission to the fraternity.

The Inter-Fraternity Council. The IFC is composed of the social fraternities at Mansfield State College. It serves as the governing body for the fraternity system on the campus and promotes the interests of both the college and the fraternity system. Its basic objective is to insure cooperation between fraternities and the college administration.

Special Events

Assemblies. Assemblies are held in Straughn Auditorium Tuesdays at 1:00 p.m. These programs supplement classroom learning and include concerts, presentations by campus organizations, speakers, and such annual events as Convocation and Awards Assembly.

Student Government Association meetings are held monthly on Thursday at 1:00 p.m.

Commencement. Attendance at commencement ceremonies is required unless circumstances demand graduation **in absentia,** which is permitted only by the president of the college.

Mansfield Feature Series. Famous lecturers or entertainers are engaged by the Feature Series Committee each year. These programs enrich the cultural experiences of our students and complement their academic programs. A few past presentations have included: Victor Reisel, Vincent Price, the Rochester Philharmonic Orchestra, the Kai Winding Septet, Dick Gregory and Vance Packard. Last year La Boheme was one of the outstanding features. Public admission is by subscription; student admission is by presentation of ID card.

Other Cultural Opportunities. Recitals and concerts by the music faculty and advanced students are sponsored by the Music Department. The sixty-five piece Mansfield College-Community Symphony Orchestra presents several concerts each year. Art shows are held regularly in the upper reading room of the library and an art acquisition program was instituted in 1962. Selected films are presented in the Allen Hall Little Theatre on weekends. The College Players present two plays a semester, which add drama, light comedy, and local talent to our cultural program. The Opera Workshop presents one production each semester, providing excellent entertainment for the college. Admission to all of these events is gained by presentation of the student's ID card with the exception of College Players and Opera Workshop productions, which require a small fee.

The General Alumni Association

The General Alumni Association of Mansfield State College is chartered under the laws of the Commonwealth of Pennsylvania for the purpose of fostering a spirit of fellowship and continuing loyalty to the college. The Association meets annually.

The Mansfieldian. The official organ of the General Alumni Association keeps the alumni informed of the progress of the college, of the activities of the alumni and the various alumni clubs. This publication is sent to all dues paying members of the association. **The Alumni News** Bulletin is sent annually to all alumni.

Homecoming in the fall, and Alumni Day in May, are the two major campus events of the year for alumni. Alumni clubs in many parts of the country hold regional meetings.

The Alumni Association maintains permanent records of all graduates of the college. If the current address or other information is needed about a former student, correspondence should be addressed to the Alumni Office. Alumni visiting the campus are invited to visit the Alumni Office and to make it their headquarters while in the area.

STUDENT AID

General Information

As a state college, Mansfield State College offers higher education at a cost considerably below that of private and parochial colleges. For the same reason, financial assistance — both as to the number of grants made and the amounts awarded — is quite limited as compared with many colleges which are heavily endowed. While remaining committed to offering financial aid to outstandingly able students who can show evidence of financial need, Mansfield State College must necessarily recognize that the financial costs of acquiring a higher education remain, at this time, the obligation of the student and his family.

Matriculation at Mansfield State College is for a semester; the college, therefore, expects each entering student to be able to meet the expenses of the semester without the expectation of financial assistance **unless such aid has been previously arranged and confirmed.**

The following points are emphasized:

1. A new student (prospective Freshman or transfer) should not file application for any type of aid before his admission has been confirmed by the Director of Admissions and the Advance Registration deposit has been paid to the college and acknowledged. Inquiries should then be made to the office of Student Financial Aid, Mansfield State College.
2. Any student requesting financial aid must have filed the confidential statement related to his personal and family finances with the College Scholarship Service, Princeton, New Jersey. That agency will then advise the college of its objective analysis as to the student's (or student's family) ability to finance his own education at Mansfield State College. The Student Aid Committee utilizes this information when considering applications for all forms of student aid. Responsibility for filing the confidential statement rests with the student; help may be secured from high school principals and guidance counselors. **The CSS information sheet is NOT an application for aid.**
3. No advance disbursement of an approved financial assistance grant will be made by the college until the student has paid the Advance Registration Deposit for the semester for which the financial aid was awarded.
4. The deadlines for applications for financial aid awarded by Mansfield are as follows: Fall Semester, July 1; Spring Semester, Dec. 1; Summer Session, May 1.

Off-Campus Employment

The college wishes to impress prospective students that the location of Mansfield State College in a rural, non-industrialized region of the state greatly reduces the opportunities for outside part-time employment. Further, with increased emphasis being placed on scholastic attainment at this college, the number of hours in which a student may engage in employment has tended to drop sharply in recent years. The acquisition of off-campus employment is the responsibility of the individual student although the several Personnel Deans may be able to provide some limited job vacancy information. There has, however, been made available to qualified applicants, a small amount of part-time off-campus State and Federal Works Study Program employment. Additional information may be obtained in the office of the Director of Financial Aid.

Part-Time Campus Employment

Part-time student employment at the college is available in the dining hall, library, dormitories, grounds and buildings, student union facilities, and offices. Such employment is normally awarded to students who have demonstrated ability to do satisfactory academic work and shown evidence of financial need. These positions are normally filled by upperclassmen but a limited number of positions are open to freshmen. Requests for student employment are made after formal acceptance and payment of the Advance Registration Deposit. Applications are available from, and submitted to, the Chairman, Student Aid Committee, office of Student Financial Aid.

Part-time State and Federal Works Study Program employment is available in the dining room and library of the college. For details see the Director of Student Financial Aid.

Scholarships

The following scholarships are awarded by various sponsors in cooperation with Mansfield State College. Applications are available from the office of Student Financial Aid, South Hall.

H. W. Colegrove Scholarship Fund. Annual awards of $100 each to two deserving young women residents of McKean County, Pennsylvania, and $100 each to two deserving young women residents of Tioga County, Pennsylvania, are made for the purpose of aiding the recipients in defraying college expenses. The awards are usually made to Clarion and Mansfield State College students. These scholarships are not customarily available to new students.

Theodore Presser Foundation Scholarship Grant. The college receives annually a grant of $400 for financial grants to outstanding **junior or senior students majoring in music education.** Grants are awarded by the Music Education department with the approval of the president of the college. Applications for these grants should be made to the Chairman of the Music Education Department. Grants are made for undergraduate work for the forthcoming academic year.

Hannah Kent Schoff Memorial Scholarship. The Pennsylvania Congress of Parents and Teachers each year in April awards two four-year scholarships of $150 per year to a worthy Pennsylvania student. The student is selected by the Student Aid Committee on the basis of scholarship, personality, and financial need. Applications may be secured from, and returned to, Chairman, Student Aid Committee, office of Student Affairs. Applications must be received before March 1.

Pennsylvania State Scholarship. In 1965 the Pennsylvania State Legislature appropriated monies to be granted in the form of scholarships. Although the primary purpose of the program was to assist capable high school seniors to gain financial aid during the first year in college, some aid is made available to those presently enrolled in college. More detailed information can be obtained from the office of Student Financial Aid.

Federal Grants. Grants up to $750 will be available as a result of the Higher Education Act of 1965. These awards, known as Federal Educational Opportunity Grants, are distributed to students who are in good academic standing and have demonstrated financial need.

More detailed information can be obtained from the office of Student Financial Aid or from the chairman of the Student Financial Aid Committee.

Lydia M. Tarrant Extension Homemakers Scholarship. Two or three scholarships of $200 each are awarded annually to sophomore and junior Home Economics students. Application for these grants should be made to the Chairman of the Home Economics Department by January 1.

Loans

National Defense Student Loan Program. The National Defense Act of 1958, as amended, makes available to full-time students, showing evidence of financial need and maintaining good academic standing, loans for college expenses.

NDEA loans are awarded for a semester and based upon cumulative grade point average. Evidence of need will normally be on a yearly basis as evaluated by the College Scholarship Service. Currently the college makes a maximum grant of $400 per semester although the maximum provided by federal legislation is $1,000 per year and $5,000 during the borrower's enrollment. A portion of the college's NDEA Loan Fund is reserved for entering Freshmen. These awards are made on the basis of financial need and academic promise as indicated by SAT scores of the College Board Examinations.

Applications for NDEA loans may be received from, and returned to, the office of Student Financial Aid. Application should not be made before notice of acceptance has been received and the Advance Registration Deposit paid to the college.

Student Higher Education Loans. Pennsylvania, New York, and New Jersey have state agencies which guarantee a college student's loan with a banking institution. All Pennsylvania residents are eligible for this loan who are either accepted as freshmen or who are matriculating at Mansfield State College and are in good academic standing. Pennsylvania grants $1,000 per **academic** year (as **determined by semester hours completed**). Loan applications are available from cooperating banks in the student's home area or directly from the Pennsylvania Higher Education Assistance Agency, Education Building, Harrisburg, Pennsylvania 17126.

New York residents are eligible upon acceptance by this college and thereafter by maintaining a 2.0 cumulative grade point average. Grants of $750, $1,000, $1,250, and $1,500 are awarded to the Freshman, Sophomore, Junior, and Senior years respectively. Qualification is governed by class standing as determined by semester hours completed, not by semesters of attendance. Applications are available from cooperating banks in the student's home area or directly from New York Higher Education Assistance Corporation, 111 Washington Avenue, Albany, New York 12224.

The New Jersey plan is similar to the Pennsylvania and New York plans; applications may be secured from the lending institution or directly from the New Jersey Higher Education Assistance Authority, 225 West State Street, Trenton, New Jersey.

The following procedure has been established for processing state higher education loans at Mansfield State College:

All copies of the application should be submitted to the office of Student Financial Aid, South Hall, Mansfield State College.

The office of Student Financial Aid will certify your loan application, attach all necessary supporting documents, and mail your loan request to the proper agency. Notification as to award or denial will be received directly from the respective state agency.

Applications for a state higher education loan should be made as soon as the student has accumulated sufficient credits to qualify for the higher class standing. Students are requested NOT to wait until the opening of the new school year.

Omicron Gamma Pi Student Loan Fund. Loans are made to students of the Home Economics Department with preference given to seniors. Awards are made on the basis of scholastic standing, high ideals, and strong character. Applications are received from the Chairman, Department of Home Economics and submitted to Omicron Gamma Pi which makes the individual loans.

Stevens Brothers Foundation Loans. Loans of $25 to $50 per month during the Senior year are made to Senior men who will commence work at the close of the academic year. Additional information and applications may be secured from Chairman, Student Aid Committee, office of Student Financial Aid.

Class of 1969 Loan Fund. Loans of $20 - $100 are available for a short term. Information may be obtained from the Office of Student Financial Aid.

FEES, DEPOSITS, REPAYMENTS

(Subject to Change Without Notice)

Summary of approximate costs per academic year (September to May) for Pennsylvania resident students.* (The summer freshmen taking their first semester at Mansfield during the 12 weeks in the summer, shall be billed on the same basis as a regular September freshman. See schedule of payments on page 66).

	Art Educ.	Elem. & Secondary	Library Educ.	Arts & Sciences	Home Econ.	Music
Basic Fee	$350.	350.	350.	350.	350.	350.
Special Curriculum Fees	36.		36.		54.	90.
Activity Fee	60.	60.	60.	60.	60.	60.
Estimated Cost — Books, and Supplies	100.	100.	100.	100.	100.	100.
Room, Board and Linen Service	720.	720.	720.	720.	720.	720.
	$1266.	1230.	1266.	1230.	1284.	1320.

* Commuting students pay the same costs except the item for room, board and linen service.

The **Basic Fee** covers registration and keeping of student records, library, student welfare, health service and laboratory facilities. Nursing and quarantine service require an additional fee.

Students taking ELEVEN or fewer semester hours shall pay at the rate of $15.00 per semester hour. Students taking more than ELEVEN semester hours shall pay the regular basic fees; basic fees for special curricula shall be prorated on the basis of a FIFTEEN semester hour load.

Student Activity Fee. This fee, collected from all regularly enrolled students, will be administered through a cooperative organization approved by the Board of Trustees. It covers the cost of athletics, entertainments, publications, etc. Students taking less than ELEVEN semester hours or students taking extension courses may take advantage of this program by paying this fee, but are not obliged to. The fee, determined and collected by the College Student Services, Inc., is $30.00 for all semesters. Checks covering activities fees must be made out to College Student Services, Inc. **Do not expect to register if you cannot pay your Activity Fee at or before registration.** ACTIVITY FEES ARE NOT REFUNDABLE UPON WITHDRAWAL OF THE STUDENT FOR ANY REASON.

Late Registration Fee. Each student registering after the date officially set for registration is required to pay an additional fee of $10.00 (except when permission for late registration has been secured in advance from the Dean of Academic Affairs). The same regulation shall apply to approved inter-semester payments or late pre-registration.

Fees for Out-of-State Students. Students whose legal residence is out of the State of Pennsylvania, pay $25.00 per semester hour. The amounts for the Activity Fee, Room and Board charges, costs of books and supplies are the same as for students who are Commonwealth residents.

Students who enter the college from an out-of-state address will generally continue to be classified as non-Pennsylvania residents for fee purposes during their four years of college. An exception is made if the student's parents establish legal residence in the Commonwealth. The establishment by the student of a Pennsylvania mailing address or a Pennsylvania certificate of registration for voting purposes does not change the student's out-of-state status for fee purposes so long as his parents continue to reside out-of-state. The establishment by the student of a residence with a Pennsylvania resident who is a relative does not change the student's out-of-state status for fee purposes, unless that relative legally adopts the student.

photo, Paul Updike

Part-Time and Summer School Fees. For Pennsylvania residents: $15.00 per semester hour (minimum fee $45.00).

For Out-of-State students: $25.00 per semester hour (minimum fee $75.00).

Activity Fee: $6.00 per 6-weeks session. For students enrolled as summer freshmen, $30.00 per 12-week session.

Board, room and linen service: $120.00 per 6-week session.

Books and supplies are estimated at $32.00 per 6-week session.

Housing Fee

Board, room and linen service is $360.00 per semester.

Linen services consist of 2 sheets, 1 pillow case, 3 bath towels (per week), and 1 blanket and 1 bedspread (cleaned twice yearly). No reduction will be made in the above fees when students go home or furnish any of their own linen supply.

Off-campus students may avail themselves of the College Linen Service as previously outlined, for a charge of $18.00 per semester.

Unless they leave college, boarding students will not be permitted to withdraw from the dining room during the semester.

The housing fee for persons other than students is $15.00 per week.

There will be a special charge for transient lodging of $1.50 (plus sales tax) per night, per person.

Off-campus students may eat in the college dining room at a cost of $180.00 per semester — individual meals: breakfast $.50; luncheons $.75; dinners $1.00.

The charge for meals to transients: breakfast $.75; luncheons $1.00; dinner $1.25.

Infirmary Fee

The services of the college physician and the college nurses are available to those who are ill or injured. Medicine for minor illnesses and dressings for injuries are furnished free of charge, but students must pay for special prescriptions or preventative vaccine.

After three days in the Infirmary, students from the dormitory will be charged a hospitalization fee of $1.00 per day in addition to the regular housing fee.

Day students in the Infirmary **without** dining privileges, will be charged a fee of $3.00 per day. This charge includes regular medical and nursing care, and meals while confined to the infirmary.

Day students in the Infirmary **with** dining privileges, will be charged $1.50 per day for the above services.

Private Music Instruction Fee

The charge for private music lessons to students not following the Music Education curriculum will be:

Voice, piano, band, or orchestral instruments: $24.00 per semester for one lesson per week.

Pipe organ: $42.00 per semester for one lesson per week.

Rental of room for practice, one period per day: $6.00 per semester.

Rental of pipe organ for practice, one period per day; $36.00 per semester.

Rental of band or orchestral instruments: $6.00 per semester.

Special Music Instruction Fee

Students of the Music Department who wish private music instruction other than that assigned by the director, will pay the same rate for such instruction as students not following the Music Education curriculum.

Testing and Counseling Fee

There will be a testing and counseling fee of $20.00 per incoming student, payable one time only and not refundable.

Repayments

Repayments will be made when a student withdraws because of personal illness, certified to by an attending physician, or because of such other reasons as may be approved by the Board of Trustees. Payments will include the amount of the contingent and housing fees paid by the student for that part of the semester which the student does not spend in the college.

NO REFUND will be granted to students who are temporarily suspended, indefinitely suspended or dismissed, for the entire semester during which the suspension or dismissal occurs. Students who voluntarily withdraw

from the college will receive repayments only on the following basis.

Housing fees will not be refunded for the semester involved when the withdrawal occurs after the first two weeks of the semester as we have committed the college to furnish housing and will be unable to fill the vacant space. Any refund allowed during the first two-week period will only be one-half the total semester fee.

Tuition, special curriculum charges and activity fees, **will not be refunded for the semester involved.**

Dining privileges will be refunded (on a weekly basis) for the time when student is not at college after such withdrawal and when dining ticket is returned.

All computations and processing of refunds shall originate with the Business Manager.

Schedule Of Payments

	*Sept.	Nov.	*Jan.	April
Arts and Sciences Curriculum				
Campus Students	$355.	180.	355.	180.
Commuting Students	175.		175.	
Art Education Curriculum				
Campus Students	373.	180.	373.	180.
Commuting Students	193.		193.	
Elementary and Secondary Education Curricula				
Campus Students	355.	180.	355.	180.
Commuting Students	175.		175.	
Home Economics Education Curriculum				
Campus Students	382.	180.	382.	180.
Commuting Students	202.		202.	
Library Education Curriculum				
Campus Students	373.	180.	373.	180.
Commuting Students	193.		193.	
Music Education Curriculum				
Campus Students	400.	180.	400.	180
Commuting Students	220.		220.	

Checks or money orders for the above fees should be made payable to the Commonwealth of Pennsylvania with the money orders drawn on the Harrisburg post office.

*Payments for advance registration should be deducted from this amount.

Payments by Check

Checks paid to the Revenue Office must be made payable to the Commonwealth of Pennsylvania. Any change in this procedure will be on your billing.

Special Charges

Damages. Any damage to rooms or furnishings beyond that caused by normal use will be charged to students. If damage results from use of electrical appliances other than those provided by the college, students will be held accountable.

Charges During Illness. Charges during illness do not include the expense of trained nurses or of medicine. In cases of serious illness, students may be removed to a hospital where special expenses must be met. Cost of transporting a student to or from a hospital are the obligation of the student or sponsor.

Degree Fee. Every candidate for a degree is required to pay a diploma fee of $10.00. An application form for College Provisional Certificate must be filed with the Registrar at the beginning of the semester in which the student expects to obtain the degree.

Cap and Gown Fee. A Cap and Gown rental of approximately $5.00 must be paid by each degree candidate.

Transcripts and Fees. No official transcript will be issued directly to the student. A fee of $1.00 must be paid for the second and each subsequent copy of the academic record. The fee is waived for transcripts to be used in connection with induction, enlistment, or achievement in the armed forces.

Delinquent Accounts

No student shall be enrolled, graduated, or given a transcript of his record until all fees have been paid.

Financial Obligations

Acceptance of a student is for a semester. Students and sponsors or parents should understand that financial obligations are incurred for the entire semester even though payment may be accepted on a nine weeks basis.

Application Fee for New Students. An initial fee of $10.00 is required with all applications. This fee covers evaluation procedures and is not refundable for any reason.

Deposits

Advance Registration Deposit. If the applicant receives preliminary acceptance, he must send an additional $50.00 as a guarantee of intention to enter the college for the semester designated. This $50.00 deposit is refundable only if the applicant is not given final acceptance by the Admissions Office.

Payment of Fees

All tuition, special department fees and activity fees, are payable in advance on a full semester basis. Tuition and special department fees are refundable only in case of illness when certified to by an attending physician. All other bills including housing fees, dining privileges, and extra room rent, must be paid at least nine weeks in advance. Checks should be made payable to the Commonwealth of Pennsylvania. If a money order is used, it must be payable at Harrisburg, Pennsylvania. Checks or money orders must be presented in the exact amount of the account. Bookstore purchases are on a cash basis.

Students will not be permitted to enroll for any semester until all bills previously incurred have been paid; nor will credit be certified to other institutions or to the Department of Public Instruction until all overdue accounts have been paid.

Students desiring to leave school before the close of a semester must report to the Dean of Academic Affairs, Registrar, to the Business Office, and Campus Store to settle all unpaid accounts.

ADMISSIONS

Applicants may be enrolled for the fall semester or spring semester, and for any of the summer sessions.

Requirements For Admission

1. General scholarship as demonstrated by:
   a. Graduation from an approved secondary school which includes grades 10, 11, and 12, or institutions of equivalent grades, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction.
   b. A satisfactory score in the Scholastic Aptitude Test of the College Entrance Examination Board, and such other tests as the college may deem necessary.
2. Satisfactory recommendation as to character, personality traits, proper attitudes and interests, from the high school principal, guidance director, or other school official acquainted with the student.
3. Health and physical condition as evidenced by a health examination by the student's family physician reported on the official form and approved by the college physician. No student shall be admitted to the teacher education program who has, in the opinion of the college, disabilities which would impair his service as a teacher.

When a student has been granted admission and fails to enroll, his acceptance for admission will be valid for no more than two years following the month for which admission was granted. After two years such student, not having enrolled at any time during this period, must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

All applications for admission should be made to the Director of Admissions, Mansfield State College, Mansfield, Pennsylvania.

Photo, Elmira Star-Gazette, Paul Updike

Special Requirements For Admission To The Music Curriculum

1. Musical Aptitude
   a. The possession of an acceptable singing voice.
   b. Evidence of average or above average musical aptitude as indicated by
      (1) a good sense of pitch,
      (2) rhythmic responsiveness,
      (3) adequate melodic and rhythmic memory.
2. Musical Accomplishment
   a. The ability to sing at sight a melody of the degree of difficulty of a simple folk song.
   b. The ability to sing the alto, tenor, or bass part of a song of the degree of difficulty of AMERICA.
   c. Sufficient technical skill in one or more legitimate musical instruments to serve as a basis for the development of a firsthand acquaintance with standard works of musical literature.
   d. Ability to play piano music of the degree of difficulty of the first book of standard graded course of piano instruction, including equal facility in reading from the treble and bass clefs. Students who cannot meet the entrance requirements in this area will study without credit until they have removed the deficiency.
3. A working knowledge of the fundamentals of music theory such as scales, key-signatures, and the symbols of music notation.

Applicants who are deficient in any of the above-named techniques may be accepted if they give evidence of superior qualifications in other areas.

photo, Paul Updike

Foreign Language Entrance Requirement

All entering freshmen who wish to continue the same language studies in high school are required to take the CEEB Achievement Test in the foreign language no later than June 1 preceding matriculation. The test results are used to determine the course level in which he should be placed.

Candidates for the CEEB Achievement Test should obtain an application blank and a copy of the Board's Bulletin of Information from the CEEB, Box 92, Princeton, New Jersey.

Special Requirements For Admission To The Art Education Curriculum

The curriculum in Art Education is designed to guide prospective art teachers to meet the challenge of accomplishment and understanding in the fields of general education, as well as to develop their abilities by providing studio experiences in such areas as drawing, painting, sculpture, graphic arts, ceramics, and applied design. These studio courses are meaningfully coordinated to provide a rich background in aesthetics, art history, theory and criticism. The courses in psychology and philosophy of art education, observation, participation and student teaching are the culminating areas of the total Art Education program.

Candidates for admission to the Art Education Curriculum in addition to the general requirements set by the Office of Admissions will be required to meet with the members of the Art Department staff for a personal interview. A portfolio of art work that best represents the student's proficiency in art experiences in various materials and techniques will also be studied.

The student's efforts for the portfolio should be directed towards completing the following:

1. Still life drawing in any media,
2. Figure study; a composition containing two or more figures in one or more media,
3. Two examples in the field of design which will employ knowledge of design relationships, color and lettering,
4. In addition to the above, a minimum of six pieces of work of the student's choice will be required.

All examples must be presented flat, matted, in sizes not to exeed 22" x 28". Copies from photographs of other artists will not be accepted. Photographs of sculptural work executed by the student will be acceptable.

Advanced Standing

1. Application forms and information for transfer students may be secured from the Admissions Office.
2. Transfer students must meet the same requirements as other applicants, and will not be accepted without certificates of honorable dismissal.
3. Students who apply for advanced standing must have their transcripts and admissions data sent to the Director of Admissions before April 1 for the fall semester, or before October 1 for the spring semester.
4. Credit will be given for acceptable courses pursued in accredited college institutions only if the grade is one grade above the lowest passing grade.

Mansfield State College accepts undergraduate credit transferred from approved non-accredited colleges. This credit is subject to validation by one year's successful work after transfer and is then counted toward undergraduate degree requirements at Mansfield State College.

Transfers from two-year institutions. The college recommends that a transfer student complete four semesters of satisfactory work prior to matriculating at Mansfield State College. Application should be submitted during the fourth semester so that the admission can be granted for the fifth semester.

5. No student may be graduated and receive a degree from this college without a minimum residence of one year. A minimum of thirty-two semester hours of work earned on campus will meet the requirement for one year of residence.
6. Degree candidates who wish to pursue any part of the program of studies for a degree of another institution will be required to secure prior approval from the Dean of Academic Affairs at Mansfield.
7. Students admitted by special arrangement may complete 16 semester hours of approved work at Mansfield State College prior to formal admission to a degree program. In order to obtain degree credit for such pre-admission

courses, a minimum grade of "C" must be obtained.

8. Course credit taken by correspondence is not acceptable.

Registration Requirements For New Students

The college requires each entering student to present evidence of having taken the following within twelve months prior to his initial registration date:

1. Tetanus toxoid immunization,
2. Negative tuberculin test and/or negative chest X-ray.

This evidence may be obtained from the family physician and must be submitted to the college infirmary prior to registration or at the time of initial registration.

Readmission Of Former Students And Maintenance Of Matriculation

All former students excepting those in continuing education who have not been in regular attendance during the academic year—fall and spring semesters — must be readmitted to the college. A written request for readmission should be sent to the Director of Admissions with a $10.00 non-refundable, re-evaluation fee by May 1 for the fall semester, or by November 15 for the spring semester. Teachers-in-service who have been attending summer sessions pursuing degree requirements are considered continuing education students. Continuing education students should complete a minimum of six (6) semester hours of acceptable course work each year to remain in the category of continuing education. These credits may be taken in residence or as transfer courses to maintain their matriculation. The academic year is from September first to August thirty-first.

Special Students

Special students are those who fall into any of the following categories:

1. Matriculated
   a. Continuing Education — In-service teachers working toward a degree, certification, or extension of certification.
   b. Part-time — a student carrying less than twelve semester hours.
2. Non-Matriculated
   a. Continuing Education — In-service teachers working toward permanent certification, or for personal enrichment.
   b. Undergraduate High School Honor Students — High School students in upper quarter of academic section who have recommendation from principal or guidance counselor to take advanced work for college credit.
   c. Undergraduate college students—students taking courses at Mansfield State College for transfer to another college.

INSTRUCTION

Scholastic Requirements And Standards

Academic Counsel

Students are urged to make full use of the Academic Advisory Service of the college. Academic guidance is not only available from an assigned academic adviser, but also from instructors, student's department chairman, and the Dean of Academic Affairs. Regular faculty office hours are scheduled for this purpose.

The student should make a choice of curriculum only after considerable thought and deliberation. Information regarding the various fields of study offered at Mansfield may be obtained by mail or personal contact from the Director of Admissions, The Dean of Arts and Sciences or the Dean of Teacher Education.

Marking and Point Systems

Mansfield employs the following systems in grading academic performance:

Grade	Interpretation	Quality Points
A	Superior	4
B	Excellent	3
C	Average	2
D	Passing	1
I	Incomplete	
F	Failure	0

In addition to letter grades, the following designations are used in special situations:

WP—Withdrew from course with approval of instructor and Dean of Academic Affairs.

WF—Withdrew failing after the four week withdrawal period with approval of instructor and Dean of Academic Affairs.

S—Satisfactory

U—Unsatisfactory

Ex—Credit by Examination

Aud—Audited

Instructors may correlate percentage scores with letter grades. For such correlations the following list of equivalents is presented as a guide:

A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = Below 59

The academic standing of a student in every subject is reported at the close of each semester. The quality point average is an index to the overall quality of a student's academic work and represents his academic standing. The average is determined by dividing the sums of the quality points earned by the number of semester hours of work attempted.

An "F" grade in a required course must be cleared by repeating the course.

An "I" (incomplete) grade is used to denote unfinished work because of death in the family, personal illness, accident, induction into military service, or other mitigating circumstances. The student is responsible for the removal of an "I" grade within a period of three weeks following the semester in which the "I" grade was recorded except in cases where mitigating circumstances prevail. These cases are reported to the office of the Assistant Dean of Academic Affairs for final approval. If the "I" grade is not cleared either by a change of grade or cleared as a mitigating circumstance, the registrar shall record it as an "F" grade. In cases involving an "I" grade, the student should report his case to the instructor involved so that notification of reasons for giving an "I" grade can be recorded on the instructor's grade report.

Continuance in College

To remain in satisfactory standing a student must maintain a cumulative quality point average of 2.0 or better. A student whose cumulative quality point average falls below 2.0 will be placed on Academic Probation.

A freshman student who does not attain the specified quality point average at the close of his first semester (12-18 hours) of college work will be placed on Academic Probation for his second semester. A freshman student who has not attained a 2.0 cumulative quality point average at the end of his first year of college work will be placed on Academic Probation for his third semester. If at the end of his third semester of college work his cumulative quality point average is not 2.0, the student will be dismissed from the college.

During the academic year, grade reports are issued at mid-term first semester, semester close, mid-term second semester, and close second semester. Should the student receive a grade of "D" or "F" at any of these grading periods, it is his responsibility to see first his instructor from whom the "D" or "F" was received, then his adviser, in order to take full advantage of the college advising system.

A student who is placed on Academic Probation at the close of a semester is subject to dismissal from the college when there is clear evidence (e.g., below 1.0 cumulative quality point average) that the feasibility of his continuance in college is doubtful.

If a student, after completing two or more semesters of academic work, attains less than a 2.0 cumulative quality point average, he will be placed on Academic Probation for one semester. If at the end of this semester his cumulative average is still below 2.0, he will be dismissed from the college.

A transfer student who does not achieve a 2.0 quality point average at the end of his first semester of college work at Mansfield will be placed on Academic Probation for one semester. A student who transfers to Mansfield State College with freshman status will be accorded the same consideration as the regular freshman.

A student, upon his own initiative, may have recourse to the Academic Standards Review Board if in the opinions of his adviser and himself there is reason upon which to appeal his pending dismissal.

One calendar year must elapse before a student who has been dismissed for academic deficiency may be considered for reinstatement by the Committee on Admissions by following the regular procedure.

Any student dismissed for academic reasons for a second time automatically terminates his college career at Mansfield State College.

Class Status

Class status is determined by the total semester hours successfully completed, including acceptable credits transferred from another college.

Class Status Division

Freshman	Lower Division
(0-31 credits or two semesters)	
Sophomore	Lower Division
(32-63 credits or four semesters)	
Junior	Upper Division
(64-95 credits or six semesters)	
Senior	Upper Division
(96 credits or seven semesters)	

Special — Those who are not working on a degree program or are not classified for other reasons.

Petition

Whenever any rule or regulation of the college causes an unfair hardship to a student because of special circumstances, he or she is entitled to petition for an exception by filling out a petition blank. Petition forms are obtainable at the Divisional Dean's office. Advisers will be glad to assist in the preparation of a petition. Completed forms should have the necessary signatures prior to submission to the office of the Divisional Dean.

Junior Class Standing (Upper Division)

At the end of the Sophomore year or Lower Division, a student achieves junior class standing if the following requirements are met: A minimal 64 credit hours and a quality point average of 2.0 or better.

No student may be assigned to student teaching or Upper Division without having achieved junior class standing. Additional requirements may be stipulated by specific departments. These specific requirements must be approved by the Academic Standards Committee.

Credit Hours Schedules

From 12 to 18 semester hours constitutes a normal student class schedule. A student desiring to carry more than 18 semester hours must obtain permission from his department chairman. Such permission will be guided by the student's academic standing as listed on the following outline:

Credits	Quality Point Average
19	2.60 or above
20	3.00 or above

Dean's List and Honor Roll

The Dean's List, issued after the close of each semester, contains the names of those students who have earned an average of 3.50 or higher for the semester.

Superior scholastic achievement is recognized by means of the college honor roll. Such recognition becomes a permanent part of every graduating senior's record, with designations based upon cumulative point averages as indicated.

Honors	3.35 to 3.64
High Honors	3.65 to 3.94
Highest Honors	3.95 to 4.00

Credit by Examination

A student in good academic standing may request permission to take a comprehensive examination in a particular course offered by the college. All requests for credit by examination must be made to the department chairman involved and reviewed by the Dean of Academic Affairs. A student must present evidence that he is sufficiently competent to warrant the examination. If the request is approved, the student will register for the course by the normal procedure used for all courses. The semester hours of credit earned by examination will apply toward graduation requirements.

Advanced Placement Program

Courses taken before admission to college under the Advanced Placement Program conducted by the Educational Testing Service, Princeton, New Jersey, may be applied toward graduation requirements by students who are admitted to college to pursue one or more semester's work. To secure such credit the student must make formal application to the office of the Dean of Academic Affairs. The course must satisfy college requirements and the score on the Educational Testing examination must be satisfactory to college officials. If the request for advanced placement is approved, the student will register for the course and pay the established fee. Not more than twelve (12) credits earned by such examination may be applied toward graduation requirements.

Credit for Military Service

Veterans with a minimum of eighteen months of honorable service in the United States Army, Navy, Marine Corps, and Air Force, may apply to the Dean of Academic Affairs for credit in HPE 100 (Health) and HPE 101-104 (Physical Education).

Absence Policy

Careful preparation of assignments, regular class attendance, and attendance at college lectures are factors that contribute to high standing. Regular and punctual class attendance is expected of all students at all times. A student cannot reap the full benefits of instruction when absent. Lowering of scholastic standing, failure, and dismissal are penalties suffered by students who are excessively absent.

The following policies concerning absence have been adopted:

(1) Instructors will report to the dean of men or women (as appropriate) three successive absences on the part of any student.

(2) Absences for illness, emergencies, or for college representation will be considered authorized absences by instructors; therefore, students should present to their instructors a doctor's or college nurse's illness slip in case of sickness or a statement from the Personnel Dean in case of emergency. Students representing the college in a college activity should check to make certain that their names are included in the list of participants published by the office of the Dean of Student Affairs.

The office of the Dean of Student Affairs will submit to all instructors an initial list of names of individuals who, because of college representation, will be absent from class. After the event, a definite list of the students who actually participated in each event will be supplied by the department concerned, so

that an accurate student accounting can be kept. These lists will serve as a guide for the instructor in his evaluation of an absence.

(3) Students are responsible directly to their instructors for class and laboratory attendance, and absences must be made up to the satisfaction of the instructor.

Withdrawal from a Course

Withdrawal from a course is permitted only for justifiable reasons, and with the approval of the student's academic adviser and Department Chairman.

No notation of a course dropped will appear on the student's permanent record if he withdraws (1) during the first three weeks of the semester, or (2) during the first week of a six-week summer session. Withdrawal from a course after the period specified will not be approved except for adequate cause and by special permission from the Assistant Dean of Academic Affairs.

A student will receive an "F" in any course from which he withdraws without approval.

The following procedure is required for withdrawal from a course during the three week drop-add period:

1. The student procures an approved course withdrawal form in the office of his Department Chairman.
2. He submits the form to his Academic Adviser, Instructor, and his Department Chairman for approval, which will be indicated by their signatures and any comment added to the form.
3. All copies of the drop-add form are returned to Data Processing by the student. Copies to student, Revenue, Divisional Dean, and the Data Processing constitutes a proper withdrawal procedure.

The same procedure is followed when a student wishes to add a course in place of a course dropped, except that he must also obtain the signed approval of the instructor of the course in which he wishes to enroll. Such substitution will not, however, be permitted at any time when there is reason to believe that the student cannot make up the work missed in the course he wishes to substitute.

photo, Paul Updike

Transfer between Divisions of the College

Requests by matriculated students to transfer from one Division of the college to another shall be initiated in the office of their initial Divisional Dean. Such a request shall be initiated well in advance of the succeeding term in order that the application may be acted upon before the new term begins. Specific forms will be provided to obtain written consent of the deans of the new Division and of the former Division, in the order named. Requests for transfer submitted after the announced deadline may not be processed.

Transfer within a Division

Requests to transfer from one field to another field within a Division shall be initiated in the office of the respective Divisional Dean.

Withdrawal from College

Students who wish to withdraw must notify the Dean of Student Affairs who provides the student with a withdrawal form which, when completed, clears the student for formal withdrawal.

Withdrawal without proper notification and approval will prejudice a student's record and his chance for future readmission. The college reserves the right to record "F" grades for such course not completed during the semester in which the student has improperly withdrawn.

COURSE DESCRIPTIONS

Anthropology

Anthro 201 Introduction to Cultural Anthropology

An introduction to culture as a concept, and to cultural variations in human groups. Cultural structures are examined as well as the processes associated with their development and change. Case studies of both western and non-western cultural configurations are employed to illustrate the concepts.

3 credit hours

Anthro 202 Introduction to Physical Anthropology and Archaeology

An introduction to the study of the modern varieties of man and current techniques of observation. The development of man from Ice Age times to the present and the major genetic principles involved. Procedures of human paleontology, prehistoric archaeology and anthropometry.

3 credit hours

Anthro 301 World Ethnography

The major culture areas of the world and the distinguishing institutional patterns connected with each; the culture complex of Southwest Asia and Europe, the complex of Southeast Asia and Oceania, the complex of North and South America, and the complex of Africa south of the Sahara.

3 credit hours

Anthro 303 Social Organization

Analysis of the universal bases of the division of social function: sex, age, kinship, common residence, and voluntary associations. Examination of the formal and informal mechanisms of social control.

3 credit hours

Anthro 310 Anthropological Theory

A study of the schools of thought in anthropology, and of leading concepts developed and employed in the discipline, and important figures who have contributed to anthropological theory.

3 credit hours

Anthro 304 Area Study of the Middle East

Examination of distinguishing features of contemporary Middle Eastern society and culture in their evolutionary context.

3 credit hours

Anthro 490 Seminar

Intensive group study on topics in the field of Anthropology with individual studies contributing to the group.

3 credit hours

Art

Art 101 Introduction to Art

A study of representative works of art through the ages for both increased aesthetic perception and deepened awareness of universal human experience.

2 credit hours

Art 102 Survey of Art

An intercultural and interdisciplinary approach to the dominant movements and ideas as they evolved in visual arts. From the first evidence of western man's origin to the twentieth century systems of developmental growth. There exists in all areas a philosophic commonality of purpose which becomes intertwined with man's record of history.

3 credit hours

Art 201 Painting I

Introduction to the methods, techniques and approaches of the painter. An emphasis is placed on composition, application and involvement in the creative self-expression. Stress is placed upon the understanding and use of the media for solving various problems of representation.

3 credit hours

Art 210 Drawing I

Drawing is stressed to build those skills and attitudes for the remainder of the program. It is an introduction to the two and three dimensional aspects of drawing and develops personal power of expression. The course will stimulate creative thinking, develop a sensitivity to the art elements, and sharpen impressions and the visual memory.

3 credit hours

Art 222 Theories of Art Education

The purpose of this course is to acquaint the student with historical development of

theories in his field. With the knowledge of the implications on teaching and learning the student will grow in self-knowledge and self-direction.

3 credit hours

Art 231 Graphics I

An introduction to the print-making processes of linocut, woodcut, lithography, serigraphy, etching, intaglio and drypoint with emphasis on their use for creative expression.

3 credit hours

Art 241 Color and Design

An introductory course in design for all art majors. Stress is placed on the creative use of color and basic elements of design emphasizing their function and relationships through discussion and assigned problems. Introduction to types of harmony, sequence and balance while applying methods of design and representation through the use of various media.

3 credit hours

Art 251 Jewelry I

A study of three dimensional design principles with emphasis on unique solutions to objects of personal adornment. Both precious and common materials will be utilized. Traditional techniques of jewelry making will be explored.

3 credit hours

Art 261 Water Base Media I

An investigation into the water base media (transparent watercolor, gouache, acrylic polymer) with the intent of establishing a broad base of understanding needed to accomplish personal goals.

3 credit hours

Art 271 Ceramics I

Study of hand and wheel methods of forming. Introduction to the principles of glaze formulation. Kiln stacking and firing.

3 credit hours

Art 281 Sculpture I

The exploration of three dimensional design as related to sculpture. The structural nature of terra cotta, plaster, stone, wood, and simple casting techniques are studied.

3 credit hours

EdEl 282 Teaching Art in the Elementary Grades

The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of media and activities as the basis for understanding and evaluating children's work. Required of all elementary majors.

3 credit hours

Art 290 Art Education in Elementary Teaching I

The initial course in the development of the theoretical and practical application of concepts in art education as it relates to the child in the elementary school.

2 credit hours

Art 291 Art Education in Elementary Teaching II

This course is designed to encompass the total structure of the elementary school curriculum as it relates to art education; its programs and their implementations are emphasized. Prerequisite: Art 280.

2 credit hours

Art 292 Art Education in Secondary School I

An analytical introduction to the concepts, attitudes, and values of the adolescent. Emphasis will be placed upon application, observation, and evaluation of art theory and practice as related to the adolescent in the junior high school. An introduction and study of classroom problems, procedures, school organization, curriculum development, co-curricular activities concerning the art teacher and the total school system. Involvement with junior high students, in various teaching situations, as well as observations of other schools and students, with seminars for the evaluation and discussion of students, teachers, and programs in Pennsylvania and the nation.

2 credit hours

Art 293 Art Education in the Secondary School II

An extension of first semester with experiences in observation, participation, and teaching on the junior and senior high levels. Through involvement, observation, reading, research, discussion, and evaluation the sensitivity to the students' problems of maturation, motivation, and learning will evolve, with a focus on the needs of the student in regard to the curriculum, school, and society.

2 credit hours

Art 295 Plastic and Tactile Crafts

The purpose of the course is to have the student become more receptive to the three dimensional media and materials. The student will have the opportunity to explore various media, and to develop an understanding of crafts.

3 credit hours

Art 300 Visual Studies in Aesthetic Experiences

Philosophic theories of art, aesthetic experience, principles and criticism in the nature and comprehension of the character of arts; the artist and relationship to life. (Offered during the Junior or Senior year only).

3 credit hours

Art 302 Painting II

A continuation of Art 201 with further emphasis on the development of technique, style, and experimental media.

2 credit hours

Art 303 Painting III

Individual criticisms and conferences with the student to encourage individual creative growth.

2 credit hours

Art 311 Drawing II

The second course in drawing is an extension of the first with a greater emphasis placed upon the student maturing in skill and expression with a constant encouragement on the exploration and proficiency of media.

2 credit hours

Art 320 Primitive Art

The study of Prehistoric and Primitive art from the Paleolithic Period: Africa, Mexico, Europe, Americas, Asia, Australia, and the South Seas. Prerequisite: Art 101 or 102.

3 credit hours

Art 321 Ancient and Medieval Art

A comprehensive study of architecture, sculpture, painting and minor arts from the Prehistoric through the Gothic periods; emphasis on aesthetic values and historical implications, iconographic and symbolic significances. Prerequisite: Art 101 or 102.

3 credit hours

Art 322 Art of the Renaissance

A comprehensive study of architecture, sculpture, painting in Italy, Flanders, Holland, Germany, England, France, and Spain, with emphasis on the general characteristics of the Renaissance. Prerequisite: Art 101 or 102.

3 credit hours

Art 323 Oriental Art

A study of art in India, China and Japan, in the areas of painting, sculpture, architecture, pottery and the minor arts. Prerequisite: Art 101 or 102.

3 credit hours

Art 324 History of Prints

The study of the history of printmaking and the significant influences of the Eastern and Western cultures on the graphic processes. Prerequisite: Art 101 or 102.

3 credit hours

Art 325 History of Modern Art

A comprehensive study of the development of modern art from nineteenth-century neoclassicism through contemporary movements. Prerequisite: Art 101 or 102.

3 credit hours

Art 326 History of Architecture

The study of architecture, styles and methods of construction, from the earliest civilizations to the present. Prerequisite: Art 101 or 102.

3 credit hours

Art 332 Graphics II

Continuation of Art 231, Graphics I, with advanced problems in the various printmaking processes, linocut, woodcut, lithography, serigraphy, etching, intaglio and drypoint. Prerequisite: Art 231.

2 credit hours

Art 333 Graphics III

Extension of Art 332 in depth. Prerequisite: Art 332.

2 credit hours

Art 342 Advertising, Design and Lettering

The course is an introduction to advertising. Comprehensive survey of basic principles and practices in advertising and their relation to our economy, our society and our system of mass communication. Historical, social and economic factors of the field. Psychological and creative factors involved in advertising: design, research, media, and campaigns.

3 credit hours

Art 343 Arts and Crafts in the Special Education Curriculum I

Creative work in a variety of activities with arts and crafts materials with particu-

lar emphasis on the needs of special education classes. Required of students concentrating in the area of Special Education.

3 credit hours

Art 344 Arts and Crafts in the Special Education Curriculum II

Continuation of Art 343.

3 credit hours

Art 345 Design Techniques

The creative application of the principles and elements of design and color theory as applied to fibers and fabrics. This includes creative designing of wall hangings, creative weaving, Batik dying and stitchery. Recommended for majors in Home Economics.

3 credit hours

Art 352 Jewelry II

The advanced study of traditional jewelry processes with emphasis on lost wax casting and gem setting. Experimentation will be stressed. Additional enameling processes such as cloissone plique-a-jour and champleve will be introduced. Combinations of forms that construct units will be explored.

2 credit hours

Art 362 Waterbase Media II

Continuation of Art 261.

2 credit hours

Art 372 Ceramics II

Intensive work in throwing on the wheel. Development of stoneware bodies. Glaze calculation and practical modification. Kiln stacking and firing. Prerequisite: Art 271.

2 credit hours

Art 373 Ceramics III

Advanced study of ceramics from the standpoint of the artist-potter; includes thrown and asymmetrical form, clay bodies, glazes, firing, and general studio procedure. Emphasis on development of individual expression in the ceramic media. Prerequisite: Art 372.

2 credit hours

Art 382 Sculpture II

The advanced study of the problems of three dimensional design as related to various sculptural media. The structural nature of form will be investigated through the use of soldering and welding constructions, complex relief and three dimensional figure compositions, complex molding and casting. Prerequisite: Art 281.

2 credit hours

Art 383 Sculpture III

An extension of Art 382, in depth. Prerequisite: Art 281 and 382.

2 credit hours

Art 395 Stage Arts

A practical introduction to stage design that can be applied to productions on all levels of the public school system. Elements of design are analyzed in terms of their application to concepts of action, objectives, and quality. Designs are developed in two and three dimensions to resolve the visual image of a given play. Conventional drawings for the theater (including floor plans, elevation plans, light plot, layout and costume drawings) complete the scenic study.

2 credit hours

Art 398 Interior Design

Interior design in planning, selection and production as applied to the home and its furnishings. This course will deal with the "furnishing" of space for living. This furnishing should meet the human needs for which it was designed.

2 credit hours

Art 401 Cultural Origins of the West

A travel-study seminar abroad visiting countries in Western Europe such as England, France, Netherlands, Germany, Austria, Italy, and Yugoslavia; the course is planned as one of intensive study of the humanities of that part of the western world from which our culture springs; lectures conducted throughout the tour by the director, and finalized by the preparation of a term paper by the participants. A general education elective applicable to all curricula.

6 credit hours

Art 403 Independent Study

The opportunity is given to the art education major to pursue in depth an interest in a studio area under the guidance and supervision of an instructor with periodic conferences and evaluations of accomplishments and progress.

2 or 3 credit hours

Biology

Bio 101 Man and the Biological World

An introduction to biological processes; study and discussion of these processes in man, together with the ecological aspects of human life. Laboratory demonstration and analysis of problems significant in the development of biological science; examination of the ways in which the solution of such problems has affected man and society.

4 credit hours

Bio 210 Zoology

Anatomy, psysiology and taxonomy of the invertebrates, with emphasis on ecological relationship, also anatomy, physiology and taxonomy of chordates and vertebrates, with some attention to embryology and genetics.

4 credit hours

Bio 220 Botany

Study of the structure, functions and classification of the higher plants, together with practical application of such knowledge, also the relationship of the various plant groups, from simplest to most complex, based on evolutionary factors; includes study of fossil plants.

4 credit hours

Bio 275 Biological Laboratory Techniques for the Elementary Sciences

Provides for the development in the basic manipulative skills needed for the competency in handling laboratory equipment. The course is "laboratory centered" and stresses good laboratory techniques for the teaching of the biological aspects of an elementary science program. One lecture, one two-hour lab per week.

2 credit hours

Bio 302 Field Zoology

Taxonomy of local fauna; field collections and laboratory studies. Prerequisite: Bio 210.

3 credit hours

Bio 303 Field Botany

Taxonomy of local flora, with emphasis on the flowering plants including trees. Principles of nomenclature. Prerequisite: Bio 220 or equivalent.

3 credit hours

Bio 310 Ecology (Field Course)

A study of fundamental ecological principles manifested in the mutual relationship of plants and animals and their environment. Prerequisite: Bio 302 or 303, or consent of instructor.

3 credit hours

Bio 320 Ornithology (Field Course)

The biology of birds, with special attention to the taxonomy of local avifauna. Prerequisite: Bio 210 or consent of instructor.

3 credit hours

Bio 325 Entomology (Field Course)

Structure, physiology and economics of insect life, with intensive field and laboratory studies of the local insect population. Prerequisite: Bio 210 or consent of instructor.

3 credit hours

Bio 330 Plant Physiology

This course is designed to develop an understanding of the functions occurring in plants. Students will study such chemical functions as respiration, photosynthesis, digestion, and protein synthesis, as well as such physical functions as osmosis, transpiration, mineral absorption, and translocation. The laboratory work will include measurement of the rates of these functions. Prerequisite: Bio 220. **Laboratory course.**

3 credit hours

Bio 331 Vertebrate Anatomy

Systematic study of the anatomy of the vertebrate series, with laboratory dissection of the cat. Prerequisite: Bio 210. **Laboratory course.**

3 credit hours

Bio 332 Physiology

Systematic study of the life processes of the vertebrates, with emphasis on human physiology. Prerequisites: Bio 331 and Chem 112. **Laboratory course.**

3 credit hours

Bio 340 Genetics

Variation and heredity in plants and animals, including man. Prerequisites: Bio 210 and Chem 112. **Laboratory course.**

3 credit hours

Bio 345 Embryology

Study of the origin and development of the various tissues and organs of the animal body. Prerequisite: Bio 210. **Laboratory course.**

3 credit hours

Bio 350 Micro Techniques

An advanced biology course with special emphasis on technique, skill in the laboratory and scientific procedure in the manipulation of equipment used in the preparation of biological materials and specimens. Methodical self-discipline and organization of work is stressed.

3 credit hours

Bio 355 Microbiology (Lab Course)

Elementary principles of microorganismal morphology and physiology (bacteria, viruses, etc.); relation of microorganisms to fermentation, disease, dairy products and other foods, water purification, sewage disposal and soil fertility. Prerequisites: Bio 220 and Chem 112.

3 credit hours

Bio 360 Ichthyology

A field course which includes collection, taxonomy, anatomy and ecology of fishes. Prerequisite: Bio 210.

3 credit hours

Bio 380 Mycology

A study of fungi with emphasis on comparative morphology and the relation of fungi to human affairs, which includes identification of local fungi. Prerequisite: Bio 220. **Field Course.**

3 credit hours

Bio 385 Herpetology

The biology of amphibians and reptiles with special emphasis on evolution and adaptations. Laboratory studies will stress structure, adaptation and speciation. Field studies will illustrate life history and ecology. Prerequisitie. Bio 210. **Field Course.**

3 credit hours

Bio 404 Biology Seminar

Study projects involving the investigation of recent literature in the field of Biology; preparation of seminar papers on assigned problems. Juniors and seniors only. May be taken two semesters.

1 credit hour

Bio 405 Special Problems in Biology

Study projects under direct supervision by instructor. Library and laboratory research on selected problems. Consent of instructor.

1 to 3 credit hours

Chemistry

Chem 101 Inorganic Chemistry

Treatment of fundamental principles of chemistry which will be of particular use to non-science majors. Not open to science majors.

4 credit hours

Chem 102 Organic and Biochemistry

Principles of organic chemistry and biochemistry which are important and useful to non-science majors. Not open to science majors. Prerequisite: Chem 101.

4 credit hours

Chem 111 General Chemistry I

Fundamental principles of chemistry from the standpoint of atomic structure, chemical bonding, and the physical states of matter. Laboratory sessions stress quantitative relationships. Required of all science majors.

4 credit hours

Chem 112 General Chemistry II

A continuation of Chem 111. Ionic equilibria, acid-base theory, and descriptive inorganic chemistry are studied. The laboratory work is an introduction to inorganic qualitative analysis. Prerequisite: Chem 111.

4 credit hours

Chem 211 Organic Chemistry I

Fundamentals of organic chemistry are presented. Modern theory, introduction to reaction mechanisms, and stereochemistry are included along with nomenclature, reactions, preparation, and properties of organic compounds. The laboratory stresses studies of chemical and physical properties of preparations. Prerequisite: Chem 112.

4 credit hours

Chem 212 Organic Chemistry II

Continuation of Chem 211. Prerequisite: Chem 211.

4 credit hours

Chem 311 Quantitative Analysis

An introductory course in analytical chemistry emphasizing classical titrimetric and gravimetric procedures. Prerequisite: Chem 112.

4 credit hours

Chem 321 Physical Chemistry I

A study of the fundamental principles of chemistry with emphasis on Thermodynamics,

Phase Equilibria, and Chemical Equilibria. Prerequisites: Chem 212, Math 211, Phys 202.

4 credit hours

Chem 322 Physical Chemistry II

Continuation of Chem 321. Topics include properties of electrolytes, electrochemistry, and chemical kinetics. Prerequisite: Chem 321.

4 credit hours

Chem 332 Instrumental Analysis

Principles and applications of instrumental methods in chemical and structural analysis. Studies include potentiometric, conductometric, electrolytic, spectrometric, and chromatographic techniques. Prerequisites: Chem 311, 321, Phys 202.

3 credit hours

Chem 341 Biochemistry

Chemistry of carbohydrates, lipids, and proteins; digestion, metabolism, blood, nutrition. Prerequisite: Chem 212 or permission of instructor.

4 credit hours

Chem 342 Physical Chemistry For the Life Sciences

A one semester course in physical chemistry emphasizing subjects of interest to life sciences. Topics include buffers, bioenergetics, kinetics of enzyme reactions, colloidal and large particle systems, membrane phenomena, nuclear chemistry and elementary treatments of traditional subjects contained in the usual physical chemistry course. Prerequisites: Phys 202, Chem 212.

4 credit hours

Chem 410 Chemistry Seminar

Study projects involving investigation of recent literature in field of chemistry; preparation of seminar papers on assigned problems. Prerequisite: Junior or senior status.

1 credit hour

Chem 420 Qualitative Organic Analysis

Identification of organic compounds by various techniques; an introduction to modern methods such as chromatography. Prerequisite: Chem 212.

3 credit hours

Chem 421 Selected Topics in Organic Chemistry

Subjects may include natural and synthetic polymers, antibiotics, heterocyclics, terpenes, reaction mechanisms, and stereochemistry. Prerequisite: Chem 212.

2 credit hours

Chem 431 Advanced Inorganic Chemistry

A presentation of the Bohr-Sommerfeld and Wave Mechanical theories of atomic structure. Valence bond, molecular orbital, crystal field, and ligand field theories of bonding are also treated in some detail. Laboratory preparation of representative compounds are included. Prerequisites: Chem 112, 322.

4 credit hours

Chem 432 Structural Chemistry

Modern methods of structure determination of inorganic and organic compounds. X-Ray diffraction, ultraviolet and infrared absorption spectra, mass spectrometry, and nuclear magnetic resonance spectroscopy discussed in detail. Prerequisites: Chem 212, 332.

3 credit hours

Chem 490 Problems in Chemistry

Study projects under direct supervision of instructor. Library and laboratory research in selected problems. Prerequisite: Consent of instructor.

1 to 3 credit hours

Earth And Space Science

ESS 101 Astronomy I

Astronomy I presents a general view of the science of astronomy, aequainting students with the present state of this field of study, including major problems currently being investigated. As such, it serves Earth and Space related Science majors as an introduction to the study of astronomy and related space sciences. As a lower division course, it is also open to all Lower Division students and may be used as a beginning course for those who plan to minor in Earth and/or Space related sciences. The course covers, in an elementary manner, the physical and chemical characteristics of astronomical bodies, the currently held theories about the evolution and structure of the universe, the tools, techniques and scientific principles employed in carrying out astronomic investigations. Particular attention is given to our own stellar system, in view of mankind's im-

minent space goals. Laboratory work involves night-time naked eye, binocular and telescopic studies of the heavens, starmapping and star orientation based upon planetarium analogs, and graphic treatment of astronomical data and selected astronomy problems.

3 credit hours

ESS 102 The Aerospace Sciences

Aerospace education, as a branch of lower division general education, seeks to communicate knowledge, impart skills and develop attitudes that are necessary in interpreting the impact of air and space vehicles upon society. In addition to the main text, current news items will be an integral part of the course. In laboratory, of which the planetarium will be a vital part, students will investigate such topics as aerodynamic theory, guidance systems, propulsions methods, materials, radiation, thermal problems and physiological and psychological reactions to these modes of travel.

3 credit hours

ESS 303 Space Dynamics

As the purest expression of the most fundamental mechanical principles, Space Dynamics offers mathematics and physics students, as well as space-related science majors, a valuable means of testing and applying much of the mathematical knowledge they have previously gained. For students who plan to enter fields related to the space sciences, it is, of course, fundamental. Since the difficulties of space dynamics lie not so much in the comprehension of the formal theories of mechanics as in their application to the solution of actual problems, a major portion of this course involves discussion and development of the underlying principles and techniques of analysis in terms of simplified versions of common problems in space dynamics. Prerequisite: Calculus IV.

3 credit hours

ESS 304 Astronomy II

Astronomy II is a continuation of Astronomy I, in which certain topics, from the general field of Astronomy, are studied in greater depth and finer detail. The subjects selected are those which in general involve, as an essential part of their concepts, a more rigorous mathematical treatment. Students are introduced, at an elementary level, to navigation, celestial mechanics, stellar processes, spectrum analysis, log distance measurement and relativistic physics. Laboratory work includes binocular and telescopic investigations of the nighttime sky, the graphic analysis of student acquired observational data as well as professionally obtained material, and the study of planetarium-analog problems. Prerequisites: Astronomy I, college level algebra and trigonometry or Analytical Geometry and Calculus I.

3 credit hours

Economics

Econ 201 Micro Economics (Principles)

An introduction to aggregative economics, with emphasis on interdependence of sectors of the economy, aggregative concepts, determination of national income, and fiscal and monetary policy for stabilization.

3 credit hours

Econ 202 Micro Economics

The mechanism of the free enterprise system: pricing, production, and employment under various market conditions; functional distribution of income; selected topics in modern theory of general equilibrium and welfare economics.

3 credit hours

Econ 203 Pricing and Distribution

An analysis of the forces determining relative prices within the framework of production and distribution.

3 credit hours

Econ 204 History of Economic Thought

A study of economic ideas from the eighteenth century to the present. A brief review of physiocracy and mercantilism followed by a closer survey of classical liberalism, pre-Marxist and utopian socialism. Marxism, neoclassicism, institutionalism, and other contemporary developments.

3 credit hours

Econ 301 Contemporary Economic Problems

Exploration of our more crucial present day problems, notably money and banking, international trade, inflation, government regulation and labor relations.

3 credit hours

Econ 311 Money and Banking

An inquiry into money and the functioning of the monetary system of the United States. Special attention is given to the commercial banking structure and the central banking system. The relationship between the private system and the federal government as this relationship is implemented in monetary policy is discussed.

3 credit hours

Econ 332 International Economics

Principles, practices, and policies of international trade.

3 credit hours

Econ 334 Comparative Economic Systems

Capitalism, socialism, communism, and fascism; examination of resource allocation, consumption, pricing, production, investment, income distribution, central planning.

3 credit hours

Econ 350 Economic Fluctuations and Forecasting

A study of the causal forces related to economic fluctuations and of policy proposals for the reduction of instability.

3 credit hours

Econ 401 Labor Relations

Labor problems are analyzed in socio-economic terms; the structure and function of organized labor and management are examined as power elements, together with role of government, especially with respect to labor problems in the United States and attempts at their solution by employers and government.

3 credit hours

Econ 405 Public Finance

Contemporary fiscal institutions in the United States; public expenditures; public revenues; incidence of major tax types; intergovernmental fiscal relations; public credit.

3 credit hours

Econ 410 Economic Growth and Development

Problems of capital formation, institutional consideration, theories of economic growth.

3 credit hours

Econ 420 Managerial Economics

The economics of the individual firm in the decision-making process. Price and cost theory of the firm and industry from the viewpoint of top management decision-making.

3 credit hours

Econ 490 Seminar in Economics

Critical analysis of selected areas or economic issues; required of majors; open to others by permission.

3 credit hours

Elementary

EdEl 250 Child Development

An interpretive description of human growth from conception through infancy, toddlerhood, preschool and school years, adolescence and into maturity.

3 credit hours

EdEl 260 Children's Literature

A study of types of literature useful for children in preschool and elementary school; techniques include the art of dramatic reading, story telling and choral speaking. For majors in English as well as students in the Elementary curriculum.

3 credit hours

EdEl 282 Teaching Art in Elementary Grades

The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of materials and activities as the basis for understanding and evaluating children's work.

3 credit hours

EdEl 283 Teaching of Reading in the Elementary School

The reading process: normal development; characteristics of children learning to read; methods and materials. Prerequisite: Psy 220.

3 credit hours

EdEl 284 Teaching of Arithmetic

Methods of teaching arithmetic; examination of research in the field; application of psychology of learning; development of the skills required by the teacher of arithmetic.

3 credit hours

EdEl 285 Methods I (Teaching of Language, Health and Physical Education)

Principles, problems, materials and techniques for the teaching of speaking, listening, writing and reading; conducting the health and physical education in the elementary school. Prerequisite: Psy 220.

4 credit hours

EdEl 286 Methods II (Teaching of Social Studies and Science)

Principles, problems, materials, and techniques for the teaching of social studies and science in the elementary school. Prerequisite: Psy 220.

4 credit hours

EdEl 300 Preschool Education

Objectives, equipment and procedures in nursery school and kindergarten; observation in kindergarten classes.

3 credit hours

EdEl 325 Diagnostic and Remedial Reading

Tests and techniques to prevent, detect and correct reading difficulties; special methods and materials for problem readers. Prerequisite: EdEl 283.

3 credit hours

Ed 330 Guidance and Counseling Techniques

The responsibility of the teacher in the guidance program of the school; the identification of student problems; significant information and its use; techniques in guidance and counseling. Prerequisite: Psy 220.

3 credit hours

EdEl 380 Teaching Music

Designed for the elementary education major to develop the philosophy of music education, the ability to read music, the use of the singing voice, and the knowledge of music methods. Includes the use of classroom instruments, including piano, and the presentation of current music materials available for K-6.

3 credit hours

EdEl 400 Student Teaching

Practice teaching under supervision of master teachers. Required of all students working for a degree in teacher education.

12 credit hours

EdEl 401 Professional Seminar Including School Law

Taken in the senior year; orientation and critiques concerned with classroom problems; examination of school law, school organization and administration.

2 credit hours

English

Eng 090 Remedial English

Entering freshmen are required to take an examination in English mechanics. Those who do not achieve a specified score are required to take this course two hours each week in addition to Eng 101.

No credit

Eng 101 Freshman Composition I

Intensive training in reading and writing; introduction to semantics and the principles of sound reasoning.

3 credit hours

Eng 102 Freshman Composition II

Continuation of Eng 101. Critical reading in various literary genres; preparation of the research paper. Prerequisite: Eng 101.

3 credit hours

Eng 200 Survey of English Literature I

Masterpieces of English Literature from the Anglo-Saxon period to the end of the eighteenth century with emphasis on interpretation and critical evaluation. Prerequisite: grade of C in Eng 101 and 102.

3 credit hours

Eng 201 Survey of English Literature II

A continuation of Eng 200. English literature from the eighteenth century to the present. Prerequisite: grade of C in Eng 101 and 102.

3 credit hours

Eng 202 Survey of American Literature I

Major American writers from the colonial period to the Civil War. Prerequisite: grade of C in Eng 101 and 102.

3 credit hours

Eng 203 Survey of American Literature II

A continuation of Eng 202. American literature from the Civil War to the present. Prerequisite: grade of C in Eng 101 and 102.

3 credit hours

Eng 210 Literature of the Western World I

Literary classics from ancient times to the close of the Renaissance. Prerequisite: Eng 102.

3 credit hours

Eng 211 Literature of the Western World II

A continuation of Eng 210 from the Age of Reason to the present. Prerequisite: Eng 102.

3 credit hours

Eng 225 English Grammar
A detailed study in which traditional grammar is reviewed and compared with recent developments such as structural linguistics and transformational grammar.
3 credit hours

Eng 226 History of the English Language
A study of the development of the English language from old English to modern times with special attention to the causes of linguistic change.
3 credit hours

Eng 235 Advanced Composition
Intensive writing in area of each student's principal interest. Students not majoring in English admitted by consent of the instructor. Prerequisite: Eng 102.
3 credit hours

NOTE: No student will be admitted to any of the courses listed below unless he has completed one of the following: Eng 200, 201, 202, 203, 210, or 211.

Ed 300 Teaching English in the Secondary School
Examination of the objectives, professional requirements and specialized problems of English instruction; survey of materials and aids for the teaching of the language arts in junior and senior high school; analysis of methods and trends, and practice in the development and presentation of programs of study.
3 credit hours

Eng 302 The Short Story
Close reading and critical analysis of the short story as a literary form.
3 credit hours

Eng 304 The Novelette
An historical survey from Boccaccio to Katherine Ann Porter.
3 credit hours

Eng 330 Literary Criticism
Major theories of literary criticism from Aristotle to the present with practical application. Admission by consent of instructor.
3 credit hours

Eng 335 Creative Writing
The writing of prose or verse under individual guidance and criticism. Admission by consent of instructor.
3 credit hours

Eng 336 Journalism
Fundamentals of reporting, editing, and writing feature articles.
1 to 3 credit hours

Eng 337 The American Renaissance
A study of major mid-nineteenth century American writers with emphasis upon their works as works and as a part of a continuing literature and culture.
3 credit hours

Eng 338 American Realism and Naturalism
A study of major Realists and Naturalists in American literature with an emphasis upon their works, their literary apology and their influence.
3 credit hours

Eng 339 Contemporary American Fiction
A study of major writers of fiction emphasizing their works, their social consciousness, their influence on their own generation and their probable influence on following ones.
3 credit hours

Eng 340 Middle English Literature
A study of representative works from the Anglo-Saxon period to 1500.
3 credit hours

Eng 345 Chaucer
A study of Chaucer in relation to his times with special emphasis on **The Canterbury Tales** and **Troilus and Cressida.**
3 credit hours

Eng 355 Sixteenth Century Poetry and Prose
Poetry from Shelton and Wyatt to Sidney and Spenser; prose from More and Eliot to Hooker and Nashe.
3 credit hours

Eng 356 Spenser
A study of Spenser's achievements in distinctively Elizabethan forms of lyric and epic poetry.
3 credit hours

Eng 358 Shakespeare
Selected earlier plays of Shakespeare; interpretation and evaluation with attention to his development as a dramatist and poet.
3 credit hours

Eng 359 Shakespeare
A continuation of Eng 358. Selected later plays.
3 credit hours

Eng 360 Seventeenth-Century English Literature
Prose and non-dramatic poetry with emphasis on Jonson, Donne, and Dryden.
3 credit hours

Eng 365 Milton
The poet, the times, and the major works.
3 credit hours

Eng 370 Eighteenth-Century English Literature
A study of major English writers representing basic attitudes and values of the Age of Reason and of the pre-Romantic movement.
3 credit hours

Eng 380 The Romantic Movement
Wordsworth, Coleridge, Byron, Shelley, Keats and their contemporaries; social and ideological factors, poetic theory.
3 credit hours

Eng 382 Victorian Poetry and Prose
Major British writers from 1830 to 1900; social and intellectual influences of the period.
3 credit hours

Eng 384 The British Novel to 1870
Principal British novelists from Defoe to Dickens examined in relation to social and intellectual trends; analysis of form.
3 credit hours

Eng 385 The British Novel since 1870
A continuation of Eng 384 to the present.
3 credit hours

Eng 388 English Drama to 1890
A survey of English dramatic literature beginning with the medieval morality, mystery, and miracle plays.
3 credit hours

Eng 389 World Drama
The work of Continental dramatists to Ibsen.
3 credit hours

Eng 390 Modern Drama
The work of major dramatists, primarily English and American, from Ibsen to the present; analysis of techniques of composition, production, and performance.
3 credit hours

Eng 391 Modern Poetry
Analysis of poetic method and of the integral nature of form and meaning in British and American poets from G. M. Hopkins to Dylan Thomas.
3 credit hours

Eng 400 Directed Study
Individual study under the direction of a faculty member appointed by the department chairman. Admission by consent of the instructor.
3 credit hours

Eng 401 Seminar in English Studies
Intensive reading and discussion of a major writer; class enrollment restricted to twelve. Basic bibliographical sources used for several long papers. Open only to juniors and seniors by consent of the instructor.
3 credit hours

Geography

(A lower-division course in Human (Cultural) Geography and/or Physical Geography, or permission of the instructor, is a basic requirement before taking any upper-division geography course.)

Geog 102 Human (Cultural) Geography
An introduction to geography and a study of human communities in their relation to the environment; including a systematic study of population and culture as reflected in settlement, economic activities, land use and their resulting spatial patterns.
3 credit hours

Geog 111 Physical Geography
Introduction to the nature of geography and the physical aspects of the environment of man; the earth and its planetary relations; selected topics in physical geography, including weather, climate, soils, landforms, the principles of map projection and interpretation.
3 credit hours

Geog 230 Introduction to Cartography
Introduction to the principles and tools of basic cartography. Emphasis on map projections, map design and map reproduction.
3 credit hours

Geog 231 Map Projection and Interpretation
Introduction to the use and evaluation of projections, maps, charts and aerial photographs. Emphasis on coordinate systems and topographic maps.
3 credit hours

Geog 310 Meteorology

Systematic study of the dynamics of the atmosphere utilizing the synoptic approach; includes the elements of climate and basic aspects of physical and regional climatology.

3 credit hours

Geog 311 Introduction to Climatology

Systematic and regional study of the elements and controls of climate; application of standard classification systems and climatological data in analysis of climate stations and regions.

3 credit hours

Geog 321 Geomorphology

The evaluation and development of land forms and the principal theories of landform development pertaining to structure, process and stage; topographic maps, profiles and the appraisal of geologic data from both field and laboratory studies.

3 credit hours

Geog 322 Land Use and Natural Resources

An analysis of land use and natural resources as a response to the physical and cultural conditions of the past and present; an evaluation of the major divisions of land usage and the resulting interrelationship of areal patterns.

3 credit hours

Geog 350 Urban Geography

An analysis of the localization, structure and function of urban settlements and their supporting areas, progressing from simple relationships in small settlements to the complexities of modern metropolitan regions.

3 credit hours

Geog 351 Population Geography

Studies the spatial aspects of world population numbers, densities, and qualities; emphasizing the economic and social characteristics and mobility of the world's population.

3 credit hours

Geog 360 Economic Geography I

Relates modern methods of geographic analysis to the study of world patterns of primary production: agriculture, herding, fishing, forestry, and mining.

3 credit hours

Geog 361 Economic Geography II

Analyzes the activities of secondary production. Covers the distribution and consumption of minerals; principles and theory of industrial location; and an analysis of selected industries and manufacturing regions.

3 credit hours

Geog 370 Political Geography

A systematic analysis of the geographical nature, policy, and power of the state. Analyzes the growth and development of states, boundary problems, population distribution, colonies, and internal and international political theories. May be taken as a General Education elective by upperclassmen.

3 credit hours

Geog 371 Historical Geography

A survey of the human geography of the past. Detailed study of topics including the characteristics of colonization, settlement and cultural landscape development in the evolving landscape. Special reference is made to American historical geography.

3 credit hours

Geog 372 World Regional Geography

Regional analysis and study of the earth as the home of man. Specific areas and types of man-land relationships are studied as examples of the world variety of human adjustments to and adaption of the natural environment. **(Not open to students who have had Human (Cultural) Geography.**

3 credit hours

Geog 380 Geography of the United States and Canada

A geographic analysis of the physical environment, resources, industries, population and settlement of Anglo-America north of the Rio Grande. Particular emphasis on geographic regionalism and geographic problems common to the area.

3 credit hours

Geog 381 Geography of Pennsylvania

Topography, climate, resources, historical development, geographic regions of Pennsylvania. Field trips with particular attention to topographic and economic aspects of the Commonwealth.

3 credit hours

Geog 382 Geography of Middle America

Study of the physical environment, aboriginal and modern culture, and economic geography of Mexico, Central America, and the Caribbean.

3 credit hours

Geog 383 Geography of Latin America (South America)

Study of the linguistically derived regionalism of America south of the Central American states; analysis and synthesis of geographic factors responsible for regional and sectional development.

3 credit hours

Geog 384 Geography of the Soviet Union

A study of the economic and political structure of the U.S.S.R., emphasizing geographic regions, resources, and industrial development.

3 credit hours

Geog 385 Geography of Europe

Systematic treatment of topography, climate, biotic resources and mineral resources, communication, population, and industrial areas; geographic regions of Europe.

3 credit hours

Geog 386 Geography of Monsoon Asia

A study of the region comprising India, East Pakistan, Burma, and Southeast Asia. Emphasis on analyzing fundamental geographic and associated problems of the area.

3 credit hours

Geog 387 Geography of the Far East

A systematic and regional analysis of far eastern Asia; with a special emphasis on the resources, population and economic activities of China, Japan and Korea.

3 credit hours

Geog 388 Geography of Southwest Asia and North Africa

A regional analysis of the physical environment, resources, industries, population and settlement of the Islamic World from West Pakistan to Morocco. Special attention is given to the geographic problems related to the area.

3 credit hours

Geog 389 Geography of Australia and Oceania

A systematic interpretation of the physical environment, resources, settlements and man-land relationships of the Pacific Islands, Australia, and New Zealand.

3 credit hours

Geog 402 Advanced Human Geography

Investigation of the landscape's forms and features produced or modified by man, their distribution and the processes whereby man changes his landscape.

3 credit hours

Geog 411 Advanced Climatology

Thematic analysis of the nature and distribution of the world's climates with special consideration given to the changing balance of the earth's dynamic atmospheric process and the influence of the atmosphere on terrain, drainage, vegetation and man's habitat.

3 credit hours

Geog 430 Modern Cartographic Techniques

Advanced elements of map design and reproduction. Emphasis on contemporary medias used in presenting quantitative data.

3 credit hours

Geog 450 Geography of Urban Settlements

Analysis of the spatial aspects of urban settlement problems including race, sprawl, pollution, transportation, land use, planning and rehabilitation. Principal focus on the American metropolis.

3 credit hours

Geog 460 Geography of Trade and Transportation

A systematic analysis of the interdependence of man within the spatial framework of regions, nations and continents, and the necessity for efficient transportation and communication. Consideration is given to the forms of transportation employed in their relationship to physical barriers and possible future needs or changes.

3 credit hours

Geog 470 World Problems in Geography

Regional treatment; evaluation of past and present problem areas of the world in relation to geographic factors involved in their development and their solution. May be taken as a General Education elective by upperclassmen.

3 credit hours

Geog 487 Geography of Africa South of the Sahara

A systematic study of the basic features of Africa's physical, economic, and cultural geography; analysis of land use patterns, settlement problems, population distributions, political problems, and potentials for economic development.

3 credit hours

Geog 490 Special Studies in Geography

Studies and research in philosophy and methodology, seminars in geography aspects of contemporary problems, field projects involving current regional land use problems, field trips in geomorphology and economic geography.

1, 2 or 3 credit hours

Geog 492 Field Studies or Field Methods in Geography

Introduction to the tools and techniques of geographic field investigation. Observation, note-taking, classification and mapping based on original field work is experienced.

3 credit hours

Geog 498 Senior Seminar in Geography

Special topics in physical or cultural geography are presented in an informal seminar setting. Open to geography majors with senior class standing.

3 credit hours

Geog 499 Honors Course in Geography

A prerequisite of 18 hours in upper-level geography with at least a B average. The course is designed for upper-division students who can qualify for independent research which will be conducted under the direction and supervision of a designated faculty member of the Geography department.

3 credit hours

Geology

Geol 121 Physical Geology

A study of the solid portion of the earth, the materials of which it is composed, and the processes which are acting on it. Included such topics as rocks and minerals, weathering and erosion, geologic time, mountain building, and geologic structures. Two hours of lecture and one laboratory period.

3 credit hours

Geol 122 Historical Geology

A study of earth history using the principles of Geol 121. This includes theories of earth origin, fossils, geologic time, and the various techniques used to unravel geologic history. Emphasis is placed on collection and interpretation of evidence gathered in the field and from library research. Two hours of lecture and one laboratory period.

3 credit hours

Geol 232 Mineralogy

A detailed study of minerals emphasizing their composition, origin, mode of occurrence, alteration, classification and identification. One hour of lecture and two laboratory periods. Prerequisite: One year of college chemistry — may be taken concurrently.

3 credit hours

Geol 251 Paleontology

A detailed study of the remains of animals and plants which occur as fossils in the rocks of the earth. Special emphasis is given to the methods of studying fossils, the structures by which the fossils are identified, similarities of fossils to living organisms, and the scientific significance of fossils. One hour of lecture and two laboratory periods.

3 credit hours

Health And Physical Education

HPE 100 Health (Personal and Community)

Instruction in principles, practices and concepts serving personal, family, and community health. Includes individual counseling and guidance.

1 credit hour

HPE 101, 102, 203, 204 Physical Education

Four semesters of physical education, completed with satisfactory rating, are required for graduation. Emphasis on the development of fundamental skills in seasonal activities for individual, dual, and team participation. Four Semesters.

1 credit hour

History

Hist 101 Western Civilization I

A survey of significant ideas, events, and cultural developments in man's history from the emergence of ancient civilizations to early modern times (circa 1660).

3 credit hours

Hist 102 Western Civilization II

A continuation of History 101. From early modern times to the present.

3 credit hours

Hist 201 History of the United States to 1865

A survey of American history from 17th century colonization to the period of revolution, independence, and formation of the federal union; nationalism, sectionalism, and the growth of democracy in the 19th century to the Civil War.

3 credit hours

Hist 202 History of the United States from 1865

A continuation of Hist 201. Significant trends and events in the rise of the industrial-urban society; domestic and foreign development of an emerging world power; increasing international involvement and world leadership in an atomic era.

3 credit hours

Hist 300 Historiography

An examination of the development of historical thought as written and illustrated by historians representative of various cultures, periods, and schools. Evaluating and comparing the methods of history and historians for meaningful interpretations will be emphasized. Required of all history majors.

3 credit hours

Hist 301 History of Colonial and Revolutionary America

A study of the colonization of North America emphasing the English contributions; the political, social, and economic development of the colonies; the growth of the movement for revolution and independence, the results of revolution, and the founding of the federal republic. Prerequisite: Hist 201.

3 credit hours

Hist 302 The National Period 1800-1848

Analysis of the development of the United States as a new nation with emphasis upon the major social, political, economic, and diplomatic events of the period. Prerequisite: Hist 201.

3 credit hours

Hist 303 History of the Civil War and Reconstruction

The background of sectional controversy; constitutional issues, secession and military conflict; the aftermath of war, North and South, with particular emphasis of political development in the period of "reconstruction" ending in 1877. Prerequisite: Hist 201, 202.

3 credit hours

Hist 304 Industrialization and Imperialism

A study of the national problems and characteristics arising in the post Civil War period. It includes the economic, social, political, cultural, and international developments and changes from approximately 1870 to 1914. Prerequisite: Hist. 202.

3 credit hours

Hist 305 Twentieth-Century American History

Social, political, economic, and cultural developments of the United States in the twentieth century, with particular attention to the role of the United States in world leadership. Prerequisite: Hist 202.

3 credit hours

Hist 351 The Ancient World

A study of the history and culture of the classical world to the fall of the Western Roman Empire. Special emphasis will be placed on the Greek and Roman civilizations. Prerequisite: Hist 101.

3 credit hours

Hist 352 History of Medieval Europe

The political, social, economic, and cultural history of the Middle Ages with emphasis on institutional and cultural life from the fall of Rome to the Renaissance. Prerequisite: Hist 101.

3 credit hours

Hist 353 Renaissance and Reformation Studies

Examination of the political, social, economic, and cultural forces involved in the transition from medieval to modern Western society with particular attention to the rise of national states and the growth of individualism. Prerequisite: Hist 101.

3 credit hours

Hist 354 History of Early Modern Europe

Survey of the major forces shaping the political, social, economic and cultural history of Europe in the 17th and 18th centuries. Prerequisite: Hist 102.

3 credit hours

Hist 355 Europe in the Nineteenth Century

A study of the rise of modern national organizations in Europe and their political, social, and economic aspects in relation to ideas and events. Prerequisite: Hist 102.

3 credit hours

Hist 356 Europe in the Twentieth Century

A study of European political and economic, social, and intellectual status and trends in the present century, with review of significant developments after 1878. Prerequisite: Hist 102.

3 credit hours

Hist 357 History of England

A survey of the political and constitutional, social, cultural, economic, and imperial history of the British people. Prerequisites: Hist 101, 102.

3 credit hours

Hist 358 Russia: A History From Its Origin to the Bolshevik Revolution of 1917.

An overall view of significant and recurring themes in Russian history up to 1917, with close analysis of the substance, form, and nature of the thousand-year-course of Russian history. Comparison of the development of Russia with that of other nations, an examination of the essential roots underlying the modern Soviet State. Prerequisites: Hist 101, 102.

3 credit hours

Hist 375 History of Latin America

A synthesis and interpretation of the principal factors in the development of Latin-American nations; covers the colonial era, national period, foreign relations, conditions and problems in the twentieth century.

3 credit hours

Hist 385 History of the Middle East

The major political, economic, and cultural features of the Middle East, with particular emphasis on modern colonialism in the area; Zionism, the rise of the Arab States; and contemporary relations with other nations of the world.

3 credit hours

Hist 386 History of Southeast Asia

A survey in the histories of peoples and states of Southeast Asia: Burma, Thailand, Cambodia, Laos, Vietnam, Malaysia, Indonesia, and the Phillipines. The course covers the history of Southeast Asia from the Portuguese impact in the 16th century to the influence of the United States in the 20th Century. Southeast Asia is examined in the age of imperialism, colonialism, nationalism, and independence.

3 credit hours

Hist 387 History of the Far East

Traditional cultures and institutions of China, Japan, Korea, and Southeast Asia; the role of Western powers in their development; post-war changes, United States foreign policy in relation to the Far East, the emergence of Communist China. Prerequisite: A course in modern European history or permission of the instructor.

3 credit hours

Hist 401 History of Pennsylvania

A study of the founding and development of Pennsylvania; social, political, and economic characteristics of the Commonwealth, the diversity of its people, their contributions to the nation. Prerequisite: Two credit hours in American history.

3 credit hours

Hist 402 Diplomatic History of the United States

American foreign policies from the Revolution to the present; exploration of underlying concept and other influencing factors in American diplomatic negotiations. Prerequisites: Hist 201, 202.

3 credit hours

Hist 404 History of the Negro in America

The course will concentrate upon the African origins of the Negro and the slave trade. The background of the Civil War and its aftermath which led to the present civil rights struggle will be discussed in depth along with Negro leaders of the time. Prerequisites: Hist 201, 202.

3 credit hours

Hist 405 The Westward Movement in America

Discussion of the settlement of the different geographic areas comprising the United States today, and the influence of westward expansion on the political, social, and economic development of the American people. Prerequisites: Hist 201, 202.

3 credit hours

Hist 406 American Intellectual History to 1865

A survey of the history of ideas in America before 1865 with careful study of such topics as Puritanism, the American Enlightenment, Romantics, and other important trends. Prerequisite: Hist 201.

3 credit hours

Hist 407 American Intellectual History from 1865

A continuation of Hist 406. Emphasis will be placed upon such topics as Social Darwinism, pragmatism, progressivism, literary realism, and more recent concepts within twentieth century economic and social thought. Prerequisite: Hist 202.

3 credit hours

Hist 451 The Ancient Regime and Revolution

A study of the major forces contributing to the emergence of France as a great power from the period of the Bourbon dynasty through the Great Revolution. The course will emphasize the development of the political, military, and bureaucratic apparatus of monarch, growth of modern diplomacy, the social factors and movement known as the Enlightenment; the causes, course, and impact of the Revolution on France and Europe. Prerequisite: Hist 102.

3 credit hours

Hist 452 Economic and Social History of Europe

Economic impact and dislocations leading to social changes in European society resulting from the industrial revolution, imperialism, two world wars, Russian Revolution, Fascism, the great depression, and the Cold War. Prerequisites: Hist 101, 102 plus 3 credit hours in History or Economics.

3 credit hours

Hist 453 The Soviet Union

The contemporary history of the Soviet Union from the inception of Russia as a Communist State to the present. The course emphasizes the internal and external factors involved in world Communism and Soviet power policies. Prerequisite: Hist 101.

3 credit hours

Hist 454 History of Modern Germany

Consideration of the forces of unity in 18th and 19th century Germany, followed by a study of Imperial, Weimar, and Nazi Germany, and concluding with an examination of the postwar revival and Germany's position between East and West. Prerequisite: Hist 102.

3 credit hours

Hist 455 Cultural and Intellectual History of Modern Europe

A study of the cultural and intellectual trends in European thought since the 17th century. Emphasis will be upon developments in science, art, religion, and literature, and the growth of the history of ideas in the formation of western tradition. Prerequisites: Hist 101, 102, plus 3 credit hours in History, Philosophy, or Literature.

3 credit hours

Hist 475 Cultural and Intellectual History of Latin America

A study of the cultural and intellectual history of Latin America. Emphasis is placed on those developments during the colonial and modern periods which have shaped the cultural and intellectual character of modern day Latin America. Prerequisite: Hist 381.

3 credit hours

Hist 495 History Honors

This course is designed to provide a program of special study for superior students in history. Qualified senior history majors would work under the guidance of members of the History faculty in an indepth reading program on a topic selected by the student and approved by the department. Normally an extensive research paper and written examinations will be included in the course. Prerequisites: A three quality-point average in History course work; Hist 300.

3 credit hours

Home Economics

(Note: An explanation of number following each course description: the first digit means credit hours; the second digit means lecture hours; the third digit means laboratory hours.)

HEc 100 Home Economics Orientation

Survey of home economics philosophy and professional orientation. Emphasizes historical and sociological development of the family as the core of home economics.

1:1:0

HEc 102 Textiles

A study of fibers — their chemical and physical properties, of yarns, of construction of fabrics, and of finishes. This course is oriented to the student who has little knowledge of chemistry.

2:1:1

HEc 103 Fundamentals of Clothing

An introduction to the psychological, sociological and economic aspects of clothing, to the principles of clothing selection, to the variety of construction methods and to the methods of fitting garments.

4:2:4

HEc 210 Social Usage

Essentials of good manners and accepted standards of social usage.

1:1:0

HEc 215 Foods and Nutrition I

The application of physical and chemical principles as related to the selection, preparation and preservation of food. A study of the basic food groups and assessment of students dietary habits.

4:2:4

HEc 216 Foods and Nutrition II

Means of supplying nutrient needs as related to needs of various age groups. Consumer education in food production, supply, marketing and budgeting. Styles of meal service, practice in meal-time management and etiquette.

4:2:4

HEc 224 Home Management and Household Equipment

Selection, use and care of home equipment; the management of individual and family resources as related to human needs, values, and goals throughout the life cycle of the family.

3:3:0

HEc 301 Intermediate Clothing

Further experience in the execution of a garment using a Couture pattern to develop construction skills and techniques, pattern selection and use of fabrics. Prerequisite: HEc 103.

3:1:4

HEc 302 Tailoring

The major emphasis is placed on the relationship between fabric and pattern selection. Tailoring construction techniques are related to individual problems. Prerequisites: HEc 102, 103.

3:1:4

HEc 321 Consumer Economics and Family Finance

Principles of economics affecting consumer choice; status symbols, custom, advertising. Stresses family decisioning: budgeting, "best buys," insurance, savings and credit. Introduces the individual and family to consumer aids which protect the consumer against fraud, misleading information and irregular practices.

3:3:0

HEc 323 Housing and Home Furnishings

Artistic, economic, physical, psychological, and sociological effect of housing on the family: includes architecture, housing planning, construction, furnishings, financing and special housing problems. Laboratory experience and field trips.

3:2:2

HEc 331 Child Development and Nursery School

Study of the growth and development of the child under six years of age with emphasis on the nursery school age child and the influence of the family on the child. Directed observation and participation in the college nursery school.

4:3:4

HEc 335 Family Relationships

A study of the family throughout the life cycle including a brief historical overview of the family; emphasizes the life style of contemporary families, influences of values in society upon family life, concentrates on issues or problems affecting individuals or families in their relationships and current research findings.

3:3:0

HEc 340 The Adolescent

Relation of the family and education to the social order, with emphasis on the characteristics and needs of adolescents; factors of competency which contribute to effective teaching; philosophy underlying the program at the secondary level. Non-home economics students shall secure consent of the instructor.

3:3:0

HEc 390 The Teaching of Home Economics

Emphasis on the two major goals of home economics education at the secondary level for homemaking and for employment. Includes organization and administration, methods of teaching, evaluation, and curriculum at all levels served through public education. Prerequisite: HEc 340.

5:5:0

Ed (HEc) 400 Student Teaching and Related Activities

The student teacher lives in the community and teaches in a home economics department which offers broad areas of home economics. Instruction is under the supervision of the local cooperating teacher and the college home economics education supervisor. A seminar at the end of the semester provides for further study and help with professional problems and an exchange of ideas and experiences.

12:0:0

HEc 401 Home Management (Residence)

Students experience home living as a family group. Emphasizes management ability, human values and relationships.

3:0:9

For students who have been married and managed a home for at least four years prior to registering for HEc 401, an alternate course is offered. Student completes projects in management apropos to her particular living situation. Offered one semester in four.

3:3:0

HEc 403 Flat Pattern Designing

Flat pattern methods are used to develop the ability to make creative patterns, alter commercial patterns, understand garment fitting, and appreciate the fundamental use of grain. Prerequisites: HEc 102, 103, and HEc 301 or 302.

3:1:4

HEc 404 Draping

Draping methods in the creation of designs of individual construction employing the use of basic techniques, variations in basic designs, original ideas and expression of his designs. Prerequisites: HEc 102, 103, and HEc 301 or 302.

3:1:4

HEc 405 Textile Analysis

A physical, chemical, and microscopical analysis of textiles with emphasis on the problems of the consumer. Prerequisites: Chem 203 and 204 or equivalent, and Textiles 102 or equivalent.

3:1:4

HEc 417 Survey of Nutrition

Chemistry of nutrients, metabolism, and normal nutritional needs at various stages of the life cycle. Laboratory work related to food composition and effects of various types of preparation upon ultimate nutrient supply. Current research, food fads and fallacies and consumer protection highlighted. Prerequisite: eight credit hours in foods and nutrition or consent of instructor.

3:2:2

HEc 418 Advanced Foods

An extension of the principles of food preparation. The selection and service of food, considering aesthetic and cultural implications, for various occasions. Presentation and evaluation of food demonstrations. Prerequisite: 8 credit hours in foods and nutrition or consent of instructor.

3:2:4

HEc 419 Advanced Child Development

Advanced study in child development with emphasis on current research and readings dealing with children. Special attention to the development of the school age child; techniques of child guidance and the process of organizing and selecting materials and equipment for a nursery school.

3:3:0

HEc 422 Special Problems in Home Economics

Individual investigation of problems related to teaching of Home Economics in the secondary school or in any of the areas studied in home economics such as child development, family finance, food and nutrition, clothing and textiles, etc. Must have consent of instructor.

1 to 4 credit hours

HEc 423 Advanced Home Furnishings

Detailed study of furniture styles and periods; special attention to interior design in relation to a family's aesthetic, psychological and physical needs and desire. Laboratory experience: presentation of planning to customers utilizing isometric or perspective drawing with supplemental color and fabric collages. Field trips also supplement classwork. Prerequisite: HEc 323.

3:0:4

HEc 455 Current Trends and Recent Development in Home Economics

Analysis and interpretation of the sociological, technological and economic changes occurring in our society and how these affect the home economics curriculum; with special emphasis on the integration of these into the curriculum.

3:3:0

Languages

(Modern Foreign)

(In addition to the scheduled three class meetings, all introductory and intermediate language students are required to spend at least two periods per week in the language laboratory.)

FRENCH

Fr 101 Introductory French

For students who have not previously studied French. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. **Language Lab attendance required twice a week.**

3 credit hours

Fr 102 Introductory French

Continuation of Fr 101. Prerequisite: one year of secondary school French, or Fr 101 or its equivalent. **Language Lab attendance is required twice a week.**

3 credit hours

Fr 201 Intermediate French

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school French or one year of college French. **Language Lab attendance is required twice a week.**

3 credit hours

Fr 202 Intermediate French

Continuation of Fr 201. Prerequisite: Two years of secondary school French or Fr 201. **Language Lab attendance is required twice a week.**

3 credit hours

Fr 300 Conversational French and Civilization

Intensive practice in oral French intended for students interested in developing a higher degree of fluency in the language. Emphasis on topics of cultural, social, economic and political nature. May be pursued concurrently with Fr 202 upon recommendation of the instructor. Required of French majors.

3 credit hours

Fr 305 Advanced French Conversation

An intensive training in oral self-expression for the student who desires a still higher degree of fluency. Specially programmed topics for each class session will be assigned, with emphasis on encouraging the student to carry on discussion in more detail and at greater length. Prerequisite: Fr 300.

3 credit hours

Fr 320 Advanced French Structure

The study and practical application of the structural patterns of French with concentration on the phonology, morphology and syntax of the language. Prerequisite: Completion of Fr 202 or equivalent training. Required of French majors.

3 credit hours

Fr 330 Survey of French Literature

Selected readings in the works of major French writers through the eighteenth century; outside reading and reports in French; consideration of literary movements, style and form. Prerequisite: Fr 202 or three years of secondary school French. Required of French majors.

3 credit hours

Fr 331 Survey of French Literature

Selected readings in the works of major French writers since 1800; outside reading and reports in French; consideration of literary movements, style and form. Prerequisite: French 202; Fr 330 also recommended. Required of French majors.

3 credit hours

Fr 340 French Classical Literature

Critical readings and discussion of the major dramatic works of Corneille, Moliere, and Racine with supplementary reading on general background. Prerequisites: Fr 330 and 331.

3 credit hours

Fr 341 French Literature of the Enlightenment

Reading and discussion of the works of Voltaire, Rousseau, and Diderot. Prerequisites: Fr 330 and 331.

3 credit hours

Fr 342 Currents in Nineteenth Century French Literature

The works of French authors as well as the main currents and form of literary expression from the beginning of romanticism to the end of the century: Hugo, Balzac, Stendahl, Flaubert, Zola. Prerequisites: Fr 330 and 331.

3 credit hours

Fr 343 Aspects of Twentieth Century French Literature

Discussion of literary currents of the twentieth century. Metamorphoses of the novel: Proust, Malraux, Sartre, Camus. Prerequisites: Fr 330 and 331.

3 credit hours

Fr 350 Development of French Poetry

A study of the works of major poets from a number of literary periods. Various critical approaches will be used and discussed. Individual oral and written reports. Prerequisites: Fr 330 and 331.

3 credit hours

Fr 355 French Contemporary Theater

Reading and discussion of selected works of major twentieth century French playwrights: Cocteau, Sartre, Giraudoux, Anouilh, Camus, Becket, Ionesco. Prerequisites: Fr 330 and 331.

3 credit hours

Fr 370-380 Foreign Study

Open to students who wish to continue the study of French abroad. Plans for foreign study must be presented two semesters prior to departure and must be approved by department chairman. Number of credit hours granted will be based upon validated credentials presented to department for foreign study. Regular periodic reports must be made during student's residence abroad.

Credit Arranged

Ed 300 The Teaching of French

A study of the teaching of French with an emphasis on the problems, methods, and materials associated with language teaching. Prerequisite: **Junior standing.** Required of all French majors in teacher education program.

3 credit hours

Fr 400 Senior Seminar

Special study projects in French language and literature; independent reading in the defined areas followed by written analytical reports in French. Open to seniors and in exceptional cases to juniors.

Credit Arranged

Fr 405 Honors Course for French Majors

An individual problems course. Open to qualified seniors with consent of the department chairman.

Credit Arranged

NOTE: Major students are required to complete 30 credit hours in French at intermediate and advanced level, including Fr 300, 320, and 330, 331. Ed 300 is not considered as part of the 30 hours.

GERMAN

Ger 101 Introductory German

For students who have not previously studied German. Elements of grammar and reading, intensive drill in pronounciation, aural comprehension and speaking. **Language Lab attendance is required twice a week.**

3 credit hours

Ger 102 Introductory German

Continuation of Ger 101. Prerequisite: One year of secondary school German, or Ger 101 or its equivalent. **Language Lab attendance is required twice a week.**

3 credit hours

Ger 201 Intermediate German

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school German or one year of college German. **Language Lab attendance is required twice a week.**

3 credit hours

Ger 202 Intermediate German

Continuation of Ger 201. Prerequisite: Two years of secondary school German or Ger 201. **Language Lab attendance is required twice a week.**

3 credit hours

Ger 300 Conversational German and Civilization

Intensive practice in oral German intended for students interested in developing a higher degree of fluency in the language. Emphasis on topics of cultural, social, economic and political nature. May be pursued concurrently with Ger 202 upon recommendation of the instructor. Required of German majors.

3 credit hours

Ger 305 Advanced German Conversation

An intensive training in oral self-expression for the student who desires a still higher degree of fluency. Specially programmed topics for each class session will be assigned, with emphasis on encouraging the student to carry on discussion in more detail and at greater length. Prerequisite: Ger 300.

3 credit hours

Ger 320 Advanced German Structure

The study and practical application of the structural patterns of German with concentration on the phonology, morphology and syntax of the language. Prerequisite: Completion of Ger 202 or equivalent training. Required of German majors.

3 credit hours

Ger 330 Survey of German Literature

Introductory course designed to acquaint students with some of the major literary movements and representative writers from 1800 to the present. Prerequisite: Ger 202 or three years of secondary school German. Required of German majors.

3 credit hours

Ger 331 Survey of German Literature

Sequel to Ger 330. The earlier period of German literature from 800 to 1800. Prerequisite: Ger 202; Ger 330 also recommended. Required of German majors.

3 credit hours

Ger 340 German Literature of the 18th Century

Concentration in the major movements: Aufklarung, Rationalismus, Sturm und Drang, Fruhklassik. Prerequisite: Ger 331.

3 credit hours

Ger 341 German Literature of the 19th Century

Primary emphasis upon the major movements: Klassik, Romantik, Realismus, Naturalismus. Prerequisite: Ger 330.

3 credit hours

Ger 342 German Literature of the 20th Century

A study of representative works from Impressionismus to the present. Prerequisite: Ger 330.

3 credit hours

Ger 350 German Lyric Poetry

The evolution of German lyric expression treating major poets from the significant epochs of German literature from the Middle Ages to the present. Prerequisites: Ger 330, 331.

3 credit hours

Ger 355 The German Novel

A study of the novel as the longer form of literary prose. Reading of typical works from significant periods. Prerequisites: Ger 330, 331.

3 credit hours

Ger 370-380 Foreign Study

Open to students who wish to continue the study of German abroad. Plans for foreign study must be presented two semesters prior to departure and must be approved by department chairman. Number of credit hours granted will be based upon validated credentials presented to department for foreign study. Regular periodic reports must be made during student's residence abroad.

Credit Arranged

Ed 300 The Teaching of German

A study of the teaching of German with an emphasis on the problems, methods, and materials associated with language teaching. Prerequisite: **Junior** standing. Required of all German majors in teacher education program.

3 credit hours

Ger 400 Senior Seminar

Selected Topics. Open to seniors and in exceptional cases to juniors.

Credit Arranged

NOTE: Major students are required to complete 30 credit hours in German at intermediate and advanced level, including Ger 300, 320 and Ger 330, 331. Ed 300 is not considered as part of the 30 hours.

SPANISH

Span 101 Introductory Spanish

For students who have not previously studied Spanish. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. **Language Lab attendance is required twice a week.**

3 credit hours

Span 102 Introductory Spanish

Continuation of Span 101. Prerequisite: One year of secondary school Spanish, or Span 101 or its equivalent. **Language Lab attendance is required twice a week.**

3 credit hours

Span 201 Intermediate Spanish

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school Spanish or one year of college Spanish. **Language Lab attendance is required twice a week.**

3 credit hours

Span 202 Intermediate Spanish

Continuation of Span 201. Prerequisite: Two years of secondary school Spanish or Span 201. **Language Lab attendance is required twice a week.**

3 credit hours

Span 300 Conversational Spanish and Civilization

Intensive practice in speaking Spanish for students interested particularly in developing fluency in the language. Emphasis on topics dealing with social, political, economic, and cultural problems. May be studied concurrently with Spanish 202 with consent of instructor. Prerequisite: Span 202 or equivalent. Required of Spanish majors.

3 credit hours

Span 305 Advanced Spanish Conversation

An intensive training in oral self-expression for the student who desires a still higher degree of fluency. Specially programmed topics for each class session will be assigned, with emphasis on encouraging the student to carry on discussion in more detail and at greater length. Prerequisite: Span 300.

3 credit hours

Span 320 Advanced Spanish Structure

The objective of this course is active mastery of the various levels of usage of the Spanish language. Emphasis on syntax, morphology and phonology. Prerequisite: Completion of Span 202 or equivalent training. Required of Spanish majors.

3 credit hours

Span 330 Survey of Spanish Literature

Reading in selected works of principal writers of Spain, with attention to literary movements, historical backgrounds, style and form; outside reading and reports in Spanish. Prerequisite: Span 202 or three years of secondary school Spanish. Required of Spanish majors.

3 credit hours

Span 331 Survey of Spanish Literature

Continuation of Spanish 330. Required of Spanish majors.

3 credit hours

Span 340 Spanish-American Literature

A study of major writers and literary movements, supplementary reading and reports in Spanish. Prerequisites: Span 330, 331.

3 credit hours

Span 341 Spanish-American Literature

Continuation of Span 340.

3 credit hours

Span 342 Literature of the Golden Age

A study of the representative writers of the important literary movements of the time. Lectures, readings, discussions and reports. Prerequisites: Span 330, 331.

3 credit hours

Span 343 Spanish Literature of the 19th Century

A study of the major movements. Works from the Romantic and Modern periods. Prerequisites: Span 330, 331.

3 credit hours

Span 344 Spanish Literature of the 20th Century

A study of the modern trends in Spanish literature. Prerequisites: Span 330, 331.

3 credit hours

Span 345 Modern Spanish Drama

A study of major Spanish dramatists since 1800, including Duque de Rivas, Zorilla, Echegaray, Benavente, Casona, Buero Hartzenbusch, and some minor important dramatists. Analysis, consideration of literary movements; form and style; outside reading and reports in Spanish. Prerequisites: Spanish 330, 331 or equivalents.

3 credit hours

Span 370-380 Foreign Study

Open to students who wish to continue the study of Spanish abroad. Plans for foreign study must be presented two semesters prior to departure and must be approved by department chairman. Number of credit hours granted will be based upon validated credentials presented to department for foreign study. Regular periodic reports must be made during student's residence abroad.

Credit Arranged

Ed 300 The Teaching of Spanish

A study of the teaching of Spanish with an emphasis on the problems, methods, and materials associated with language teaching. Prerequisite: **Junior standing.** Required of all Spanish majors in teacher education program.

3 credit hours

Span 400 Senior Seminar

Selected topics. Open to seniors and in exceptional cases, to juniors.

Credit Arranged

NOTE: Major students are required to complete 30 credit hours in Spanish at intermediate and advanced level, including Spanish 300, 320 and 330, 331. Ed 300 is not considered as part of the 30 hours.

Library Education

Lib 111 Introduction to Librarianship

Designed to orient the student in the field of library service. The development and function of the library as a social institution; types of libraries, cooperation and planning; current trends; the professional status of the librarian.

3 credit hours

Lib 160 Book Selection for Children

A study of the various types of children's literature and the principles of selection and evaluation of media by standard criteria. Development of general and subject bibliographies and skill in writing annotations.

3 credit hours

Lib 221 Reference Services and Materials

Fundamental reference sources, bibliographical method and searching techniques, the philosophy and administrative aspects of reference work. Practice in the use of reference sources; analysis of reference questions and the preparation of a simple bibliography.

3 credit hours

Lib 261 Literature for Young Adults

A study of literature for the adolescent; with emphasis on the needs, interests and abilities of readers. Problems related to the selection of materials; practice in writing annotations; critical analysis of research in the field.

3 credit hours

Lib 312 Library Organization and Administration

The organization of the school library for effective service to faculty and students; emphasis on the library as an information center and the changing role of the librarian from a service person to that of a leader into the mainstream of today's education. Planning the modern library; practical approach to library services, and general business procedures.

3 credit hours

Lib 342 Cataloging and Classification

The principles of cataloging, subject analysis, classification and bibliographical method. Practice in the use of the Dewey Decimal Classification and the choice and form of subject headings.

3 credit hours

Lib 380 Classification and Cataloging of Non-Book Materials

Techniques of selection, acquisition, cataloging and classification of non-book materials; the organization and operation of the library as an instructional materials center. Prerequisite: Lib 342.

3 credit hours

Lib 381 Technical Services

The techniques of Technical Services, except cataloging and classification, in school libraries. Introduction to methods and routines of selecting and ordering materials, circulation procedures, composing policies, and writing the yearly report.

3 credit hours

Ed (Lib) 400 Student Teaching

Supervised library practice in elementary, junior high school, and senior high school.

12 credit hours

Lib 401 Seminar in Library Methods

Evaluation of the school library's function and services in curriculum work with teachers. Study and methods of preparing the library program and of teaching usage at various grade levels. Participation in a school library under the guidance of the librarian.

3 credit hours

Lib 430 History of Books and Libraries

A study of methods of recording knowledge from earliest forms of communication to modern times; including the evolution of the alphabet, early writing materials, manuscripts, invention and spread of printing, survey of book production, and the art of book binding. A history of libraries in relation to the thought and achievement of mankind.

3 credit hours

Lib 462 Adult Literature for School Libraries

Analysis of research in the reading of adults; a study in the library's responsibility

for the promotion of reading; methods of evaluation and the practice of writing critical annotation.

3 credit hours

Lib 463 Story Telling

The selection and presentation of stories for children; a function of public and school libraries. Emphasis on the selection and adaptation of stories for children of various ages; story cycles, methods of learning and practice in telling stories.

3 credit hours

Lib 486 Book Selection

An examination of the principles guiding the selection of books for library purposes and of those influences inhibiting freedom of choice of materials. Sources evaluated; cooperative acquisition among libraries, and the technique of book reviewing.

3 credit hours

Lib 491 Directed Study

Individual study under the direction of a faculty member appointed by the department director.

1 to 3 credit hours

Mathematics

Ma 050 Basic Algebra

A non-credit course in basic algebra from signed numbers through quadratic equations including topics from geometry.

No credit

Ma 101 Fundamental Concepts in Mathematics

Set notation, operation on sets, relations, properties of relations, system of whole numbers, change of base, system of integers, prime numbers, division algorithm, greatest common divisor, least common multiple, absolute value, system of rational numbers, system of real numbers, the number line, repeating decimals, square roots.

3 credit hours

Ma 102 Algebra and Trigonometry

Coordinate systems, relations and functions, properties of functions, polynomial functions, exponential functions, circular functions, trigonometric formulas, linear and quadratic functions, analytic geometry, conic sections. Prerequisite: Ma 050 or high school equivalent.

3 credit hours

Ma 112 Analytic Geometry and Calculus I

The rate of change of a function, limits, derivatives of algebraic functions, applications, integration. Prerequisite: Ma 102 or equivalent.

3 credit hours

Ma 113 Analytic Geometry and Calculus II

Applications of the definite integral, transcendental functions, hyperbolic functions, methods of integration, plane analytic geometry. Prerequisite: Ma 112.

3 credit hours

Ma 212 Analytic Geometry and Calculus III

Polar coordinates, polar equations, plane areas in polar coordinates, parametric equations and vectors, quadric surfaces and vector functions and their derivatives. Prerequisite: Ma 113.

3 credit hours

Ma 213 Analytic Geometry and Calculus IV

Partial differentiation, multiple integrals with applications, spherical coordinates, surface area, vector analysis, surface and line integrals, Green's theorem, infinite series, power series, Taylor series, Fourier series, and indeterminate forms. Prerequisite: 212.

Ma 215 Differential Equations

Ordinary differential equations, exact equations, integrating factors, differential equations of the first order and first degree, differential equations of the first order and degree higher than first, homogeneous linear differential equations with constant co-efficients and applications, Laplace transforms, and existence theorems. Prerequisite: Ma 213 or concurrent enrollment.

3 credit hours

Ma 220 Linear Algebra and Matrix Theory

Matrices, matrix operations, solutions of linear systems, transposes, adjoints, inverses, determinants, mappings, linear transformations, vectors, vector spaces, subspaces, bases, change of basis, characteristic roots, characteristic vectors, and applications. Prerequisite: Ma 113.

3 credit hours

Ma 250 Probability and Statistics I

Set theory and logic. Probability, sample spaces, and distributors. Typical methods of sampling and hypothesis testing. Restricted to study of discrete sample spaces. Prerequisite: Ma 102 or equivalent.

3 credit hours

Ma 301 Modern Concepts in Algebra and Geometry

A study of basic ideas and structures in algebra and geometry. Open only to Elementary Education majors. Prerequisite: Ma 101.

3 credit hours

Ma 310 Numerical Analysis and Programming

A study of numerical methods for the solution of algebraic, transcendental, and differential equations, numerical integration and differentiation, error analysis. An introduction to computer programming. Prerequisite: Ma 215.

3 credit hours

Ma 312 Linear Programming and Theory of Games

Review of basic concepts in linear algebra, convex sets, development of the simplex method, applications, and theory of games. Prerequisite: Ma 213 and 220.

3 credit hours

Ma 315 Real Analysis I

The real number system. Emphasis on the concepts and theoretical approach to calculus: functions, sequences, series, limits, continuity, derivatives, the Riemann integrals and sequences of functions. Prerequisite: Ma 213.

3 credit hours

Ma 316 Real Analysis II

A continuation of Ma 315; emphasis will be placed on partial differentiation, infinite series, power series, uniform convergence, line and surface integrals, and some special functions. Prerequisite: Ma 315.

3 credit hours

Ma 318 Complex Variables

A first course in complex variables. Complex numbers, analytic functions, elementary functions, mappings by elementary functions, integrals, power series, residues, poles, conformal mappings. Prerequisite: Ma 213.

3 credit hours

Ma 320 Boolean Algebra and Symbolic Logic

Basic symbolic logic including tautologies, rules of inference, quantifiers, formal and informal proof, theory of definition. Also lattices, Boolean algebra and applications. Prerequisite: Ma 213.

3 credit hours

Ma 321 Modern Algebra

Sets, rings, integral domains, fields, groups, polynomials, congruences, algebra of classes, Boolean algebra, transfinite arithmetic, mappings, homomorphisms, and isomorphisms. Prerequisite: Ma 213.

3 credit hours

Ma 322 Modern Algebra II

A continuation of Ma 321 consisting of a more detailed study of groups, rings, ideals, fields and selected topics. Prerequisite: Ma 321.

3 credit hours

Ma 325 Number Theory

An analytical study of basic concepts including divisibility, congruence, quadratic reciprocity, and Diophantine equations. Varied methods of proof are stressed. Prerequisite: Ma 213.

3 credit hours

Ma 329 Modern Geometry I

An introduction to the foundations of geometry with emphasis on the axiomatic development of the Euclidean system. Prerequisite Ma 213.

3 credit hours

Ma 330 Modern Geometry II

An introduction to non-Euclidean geometries with emphasis on axiomatic structures. Prerequisiste: Ma 329.

3 credit hours

Ma 340 Intermediate Differential Equations

A course in series solutions of differential equations with applications. Some associated special functions such as Bessel functions and Legendre Polynomials will be studied. Prerequisite: Ma 215.

3 credit hours

Ma 345 Partial Differential Equations

Solutions of partial differential equations and boundary value problems; LaPlace transforms, Fourier series and transforms. Prerequisite: Ma 215.

3 credit hours

Ma 350 Probability and Statistics II

Distributions of discrete and continuous random variables, expected values and moments, conditional probability and independence, special discrete and continuous distributions, derived distributions. Prerequisites: Ma 213 and 250.

3 credit hours

Ma 351 Probability and Statistics III

Interval estimation, order statistics, point estimation, tests of hypotheses. Prerequisite: Ma 350.

3 credit hours

Ma 360 Topology

An introduction course in point-set topology. Set theory, metric spaces, topological spaces, connectedness, compactness. Prerequisite: Ma 213.

3 credit hours

Ma 370 Introduction to Applied Mathematics

A course to illustrate the principles and basic styles of thought in solving physical problems by mathematical methods. Particle dynamics, heat and fluid flow, wave equations, vector, Fourier, and tensor analysis. Prerequisite: Ma 215.

3 credit hours

Ma 380 History and Philosophy of Mathematics

A study of the chronological development of mathematics from prehistoric times to the present. Emphasis will be placed on the great contributors of mathematics, their contributions, and their method of reasoning. Emphasis also will be placed on how new developments in mathematics affected, and were affected by, other areas of study, such as science, philosophy, art, music, and religion. Prerequisite: Ma 213.

3 credit hours

Ed 400 Teaching Mathematics in the Secondary School

Consideration of the place and purpose of mathematics in secondary education; examination of curriculum problems; study of methods, techniques, and psychology in the teaching of algebra and geometry. Interpretation of the recommendations of the School Mathematics Study Group and similar committees. Prerequisites: Ma 321 and 329.

2 credit hours

Ma 401 Selected Topics in Mathematics

Selections from Topology, Algebra, Real Analysis, Matrix Theory or other senior level topics. Active participation by the student in problem solving and theory development is required. Prerequisites: Ma 321 or 315 or 360.

3 credit hours

Ma 402 Seminar in Mathematics

Papers from the American Mathematical Monthly, comparable journals, and various advanced references will be presented and discussed by the students. Continuous reading and participation will be required. Prerequisite: Ma 316 or 360 or 322.

3 credit hours

Music

THEORY AREA

Mus 111, 112 Basic Music I, II

Simple tonal, rhythmic and harmonic vocabulary; singing, dictation, Keyboard, analysis, writing, creative work. Mus 112 also includes tonicization, harmonic function, modulation and small musical forms.

3 credit hours each

Mus 213, 214 Basic Music III, IV

Prerequisite: Mus 112. Further development of techniques using more advanced tonal, rhythmic and harmonic vocabulary; contrapuntal elaboration; sonata allegro form; variation and rondo form.

4 credit hours each

Mus 210 Acoustics

The nature of sound; the physiology and psychology of hearing; tuning and temperament. Acoustical principles applied to the various musical instruments, auditoriums, and the recording and reproducing of sound.

3 credit hours

Mus 311 Orchestration

Characteristics of orchestral instruments; scoring for various instrumental groups. Prerequisite: Mus 214.

2 credit hours

Mus 315 Advanced Harmony

Harmonic techniques of the late nineteenth and early twentieth centuries; interrelationship of harmonic vocabulary and musical form. Prerequisite: Mus 214.

3 credit hours

Mus 316 Counterpoint

Contrapuntal style of the late Baroque; cannon, invention, fugue. Prerequisite: Mus 214.

3 credit hours

Mus 417 Composition

Contemporary techniques of musical composition; emphasis on creative work. Prerequisites: Mus 214 and 315 or 316.

3 credit hours

HISTORY AND LITERATURE AREA

Mus 100 Introduction to Music

A study of the various types of musical expression through representative composers; consideration of social and political as well as artistic factors influencing the historical development of music.

2 credit hours

Mus 121 Survey of Music Literature

A survey of representative masterpieces from the Baroque to the contemporary era. Emphasis upon form, historical background, and stylistic characteristics of individual composers.

2 credit hours

Mus 222, 223 Music History and Literature I, II

An historical survey of the development of musical styles, forms, instruments, and media. Mus 222: Medieval, Renaissance, and Baroque periods. Mus 223: Romantic, Classic, and 20th Century. Collegium Musicum (Mus 269) must be elected concurrently with these courses.

3 credit hours each

Mus 269 Collegium Musicum

Discussion and informal performance of music from the beginning of the Christian era to the time of Bach. Guest artists and lecturers presented. Student assignments and projects under supervision.

No credit

Mus 421 American Music

Stylistic influences on the American composer; idiomatic characteristics indigenous to American music; study of representative forms used by American composers.

3 credit hours

Mus 422 The Symphony

A study of orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists, and contemporary developments. Works will be analyzed and their historical, cultural and philosophical background discussed.

3 credit hours

Mus 423 The Concerto

The development of the concerto form with emphasis upon the contribution of Mozart, Beethoven, the Romantic school, and contemporary composers.

3 credit hours

Mus 424 Advanced Music Literature

Intensive study of selected choral, solo, chamber and orchestral masterpieces; emphasis on formal and stylistic developments from the late Middle Ages through the twentieth century.

3 credit hours

Mus 425 Contemporary Music

A survey of the styles, forms, and musical techniques of contemporary music.

3 credit hours

CONDUCTING AREA

Mus 131, 132 Eurhythmics I, II

Designed to develop, through body movement, greater sensitivity to, and awareness of, the nuances of dynamics and rhythm.

1 credit hour each

Mus 331 Choral Conducting

Guidance in the development of conducting techniques based on the fundamental meter designs; study of problems of style and interpretation. Students conduct choral compositions appropriate to various levels of achievement.

2 credit hours

Mus 332 Instrumental Conducting

Preparation for conducting instrumental groups, band and orchestral, on a public school level; rehearsal and performance techniques. Preparation for conducting current public school band and orchestral material, as well as suitable ensemble material for secondary school organization in choice of musical materials.

2 credit hours

MUSIC EDUCATION AREA

Mus 381 Music in the Elementary School (Methods I)

A study of the conceptual approach to teaching the elements of music through musical activities emphasizing the discovery method. The course includes a survey of current appropriate materials as well as observation and participation in area schools.

2 credit hours

Mus 382 Music in the Secondary School (Methods II)

Basic philosophy of music education, professional attitudes and relationships, organization of required and elective courses, practical demonstrations of equipment and tech-

niques; grades seven through twelve, primarily vocal.

2 credit hours

Mus 383 Instrumental Music in the Public School (Methods III)

Study of a suitable instrumental program for a public school system with particular attention to the class teaching techniques of the various instruments including piano. Problems of organization and administration of such a program; survey and examination of available instructional material for all phases of the instrumental program including piano.

2 credit hours

Mus 484 Piano Pedagogy

Study of procedures for class and individual instruction; emphasis upon the ear approach as the basis for reading, true musical perception, and intelligent understanding of the printed page; examination and evaluation of materials suitable for the first years of piano study.

2 credit hours

Ed 400 Student Teaching

Practice teaching under supervision of master teachers. Required of all students working for a degree in teacher education.

12 credit hours

APPLIED MUSIC AREA

Applied music in the curriculum serves two purposes: (a) developing the student's musicianship through technical mastery of his major performing medium, and (b) providing him as a prospective teacher with the knowledge and techniques of various media needed for conducting an effective music program in the public schools.

Instruction in applied music is available on the following: Voice, Piano, Harpsichord, Organ; Violin, Viola, Cello, Bass; Flute, Oboe, Clarinet, Saxophone, Bassoon; Trumpet, French Horn, Trombone, Baritone, Tuba; Percussion.

RESEARCH AND HONORS AREA

Mus 490 Directed Study

Individual study under the direction of a faculty member appointed by the department director. Available to seniors and students having met the requirements for graduation. May extend areas normally covered in specialized courses of the music curriculum. By permission only.

1, 2, or 3 credit hours

Philosophy

Phil 201 Introduction to Philosophy I

A survey of the outstanding contributions of ancient and modern philosophers; includes study of certain central current philosophical problems and attention to ethical implications. Nature, functions, scope, and methods of philosophy. Value of the study of philosophy. Physical sciences and philosophical problems. Philosophy of the self. Philosophy of religion. Comparisons and contrasts between Occidental and Oriental Philosophy.

3 credit hours

Phil 202 Introduction to Philosophy II

Continuation of Phil 201. Nature, sources, and validity of knowledge. Types of philosophy. Philosophy of values. Problem of moral knowledge. Philosophy of art. Political philosophy. Philosophy of education. Philosophy of history. Problem of meaning and verification. Prerequisite: Phil 201.

3 credit hours

Phil 220 Comparative Religion

A presentation of the beliefs, doctrines, and observances of the major religions of the world, leading to a better understanding of various cultures. Chronologically, these religions are Hinduism, Judaism, Zoroastrianism, Taoism, Buddhism, Confucianism, Christianity, Islam, Zen Buddhism.

3 credit hours

Phil 340 Contemporary Philosophy

Analysis of the defining features of major contemporary philosophical movements, with attention primarily to logical positivism, pragmatism, and existentialism. Includes study of the backgrounds for such movements and of contributions by their principal exponents.

3 credit hours

Phil 350 Introduction to Logic

A study of the principles of deductive and inductive thinking and experimental inference; examination of reasoning as applied in specific areas of inquiry — history, ethics, astronomy, physics, etc.

3 credit hours

Phil 370 Ethics

An examination of ethical principles and their application; analysis of problems encountered in individual and group efforts to realize ethical values.

3 credit hours

Physics

Phys 101 Man and the Physical Universe

The nature and methods of science, the logic of the scientific method, and the implications of modern scientific thought and research. Investigation of fundamental problems in physics, chemistry, astronomy, geology and philosophy of science.

4 credit hours

Phys 111 Physical Science for Elementary Teachers I

This course leads prospective elementary teachers into a sense of being at home with science; develops in these people a confidence in doing things with their own hands; helps them appreciate that curiosity and childlike desire to experiment are closer to science than the memorization of facts for their own sake. The course proceeds through puzzling discoveries to understanding by developing the students' need to know. The first semester is concerned primarily with an introduction to the concepts of time, space, matter and energy. Light, gravity, and the gross structure of matter are particularly stressed. Prerequisite: Ma 101.

3 credit hours

Phys 112 Physical Science for Elementary Teachers II

A continuation of Phys 111. In this semester electricity, crystallography, and chemical relationships are the primary topics of study. Prerequisite: Phys 111.

3 credit hours

Phys 130 Descriptive Astronomy

A study of the solar system, celestial sphere, astronomical calculations, physical characteristics of planetary and stellar motions. Prerequisites: Two years of high school mathematics and Ma 101 or equivalent.

3 credit hours

Phys 201 General Physics I

A study of the fundamental macroscopic phenomena and concepts of matter and energy; statics and dynamics of solids, hydrostatics, sound and wave motions, heat phenomena and an introduction to thermodynamics. Prerequisite: Ma 100.

4 credit hours

Phys 202 General Physics II

A continuation of General Physics I. Electric charge and electric fields, current electricity, magnetic fields and forces, capacitance, inductance and resonant circuits. Physical and geometric optics, X-rays and selected topics from modern physics. Prerequisite: Phys 201.

Phys 250 Introduction to Electronics

Fundamentals of direct current circuits. Fundamentals of alternating current circuits. Electron emission and control including tube and semiconductor devices. Measurement of electrical signals.

3 credit hours

Phys 295 Teaching Physical Sciences in the Secondary School

Methods and techniques of teaching Physical Sciences in the secondary schools. Development of demonstration and laboratory materials. Investigation of textbooks, resources and factors promoting an effective learning environment. Prerequisite: Completion of basic courses in major field.

2 credit hours

Phys 301 Mechanics

Scalar and vector quantities, equilibrium of rigid bodies. Newton's laws of motion and the linear oscillator. Motion of a particle in a central field, rotation of a rigid body and the vibrating string. Prerequisites: Phys 202, Ma 215.

3 credit hours

Phys 302 Electricity and Magnetism

Electrostatics, A.C. and D.C. circuits, magnetism, magnetic fields and electromagnetic phenomena. Prerequisites: Phys 202 and Ma 215, or concurrent enrollment in Ma 215.

3 credit hours

Phys 303 Optics

Nature and propagation of light, geometrical and physical optics, interference, diffraction and polarization phenomena. Prerequisites: Phys 202 and Ma 215 or concurrent enrollment in Ma 215.

3 credit hours

Phys 304 Modern Physics

Experimental and theoretical developments in physics during the twentieth century. Kinetic theory, properties of the electron, spectral series and the Bohr atom; special relativity and quantum concepts; atom and nu-

clear structure. Theory and laboratory. Prerequisites: Phys 202 and Ma 215 or concurrent enrollment in Ma 215.

3 credit hours

Phys 305 Electronics

Study of the electron including its charge, emission and velocity; fundamentals of vacuum tubes and semiconductor devices; amplifiers, oscillators and electronic circuits. Theory and laboratory. Prerequisites: Phys 202.

3 credit hours

Phys 306 Thermodynamics

Heat temperature and pressure equations of state. Laws of thermodynamics. Entropy, thermodynamics systems, thermodynamic potentials and changes of phase. Prerequisites: Phys 202 and Ma 215 or concurrent enrollment in Ma 215.

3 credit hours

Phys 307 Introductory Quantum Mechanics

Basic postulates of quantum mechanics; the Schrodinger equation superposition of states; angular momentum and spin; perturbation theory; simple scattering theory. Prerequisites: Phys 202, Ma 215.

3 credit hours

Phys 308 Introductory Solid State Physics

Non-quantum properties of solids; crystalline state; specific heats; lattice vibration; dielectric and optical properties; quantum properties; free electron theory; band theory; transport phenomena. Prerequisites: Phys 202 and Ma 215.

3 credit hours

Phys 309 Physics of Sound

The fundamentals of sound waves and acoustics are studied through lecture, problem solving and laboratory. Topics dealt with include: Generation, transmission and detection of sound; harmonics and complex tones as produced in air columns; vibrating strings and electron tubes. Prerequisites: Phys 202 and Ma 215.

3 credit hours

Physics 312 Atomic and Nuclear Physics

Theory of the hydrogen atom based on the Schrodinger equation. Many electron atoms; hydrogen-like atoms, Zeeman effect, Stark effect electron spin. Characteristic X-ray spectra. Nuclear structure, nucleons, forces between nucleons, binding energy of nuclei, nuclear models, radio-activity. Nuclear instruments, detectors, devices for measuring velocity, momentum, mass. Accelerators, nuclear reactions, elementary particles. Prerequisite: Phys 304.

3 credit hours

Phys 404 Physics Seminar

Study projects involving the investigation of recent literature in the field of physics; preparation of seminar papers on assigned problems. Juniors and seniors only.

1 credit hour

Phys 405 Special Problems in Physics

Study projects under direct supervision by instructor. Library and laboratory research on selected problems. Consent of instructor.

1 to 3 credit hours

Political Science

BASIC COURSES

PolSci 101 Introduction to Political Science

Employing methods of comparison and introductory political analysis, this course deals with such political fundamentals as socialization, recruitment, communication, interest articulation, political systems, power, authority, legitimacy, consensus, coercion and values. Examples are drawn from the American politics as well as selected European and non-Western nations. Introductory research methods are taught. This course is basic and required of all Political Science majors. It is recommended for minors and pre-law candidates. It can be elected as a general education course in the social sciences.

3 credit hours

PolSci 201 American Politics

A study of the basic organization of our national government, covering democratic principles, constitutional foundations, federalism, civil rights, the political party system, governmental branches and their functions, federal regulation and welfare services.

3 credit hours

PolSci 202 State and Local Politics

The structure, organization and function of state, county, and municipal government; federalism and intergovernmental relations; problems and recent trends.

3 credit hours

PolSci 203 Foundations of Modern Political Thought

Investigation of the major political ideas of the 19th century — liberalism, conservatism, nationalism, socialism, and communism — as the foundation for 20th century ideologies, with emphasis on their analysis as attempts to solve the problems of industrial society. Open to non-majors as a general education elective.

3 credit hours

INTERNATIONAL RELATIONS AND COMPARATIVE POLITICS

PolSci 204 Comparative Politics

Emphasis is placed upon the political problems and processes of the major governments of Europe, the influence and impact of these governments on their smaller neighbors; the crises following World War II and the attempts to meet them. The nature of the political cultures of Europe are explored.

PolSci 205 International Relations

Twentieth century problems, state systems, factors of power, instruments of national policy, colonialism, regionalism, changes in foreign policy, the United Nations and regional organizations.

3 credit hours

PolSci 302 International Organizations

An examination of organizations aimed at regulating interaction among nations. Major focus will be on the United Nations system and the developments in economic and military regional organizations.

3 credit hours

PolSci 303 United States Foreign Policy

United States foreign policy in the period since World War II is examined on the basis of inductive, case-study approach, which reveals basic American interests in key areas, fundamental American values in foreign policy, roles of leaders instrumental in creating and developing foreign policy objectives. Research project will be required.

3 credit hours

PolSci 306 Politics of the Middle East

A comparative study of the North African and Eastern Mediterranean areas from the point-of-view of the separate attempts of the authoritarian and the revolutionary states' attempts to achieve political stability and development.

3 credit hours

PolSci 308 Latin American Politics

A comparative study of the forces of political instability in Latin America in relation to the governmental systems and political processes of the different countries of the area.

3 credit hours

PolSci 309 Comparative Political Development

Since the second World War more than sixty new states have come into being. This course will deal with the problems that they have encountered in the attempt to create viable political institutions. The following topics will be dealt with: the colonial heritage; the search for national identity; political parties in the new nations; the single-party regimes; political elites; the phenomenon of the military coup d'etat; the role of ideology; attempts to achieve consensus; bureaucracy and nation-building.

3 credit hours

PolSci 340 Comparative Politics of Asia

A comparative study of the Political systems of Japan, India, China, and other selected Asian nations.

3 credit hours

PolSci 343 African Politics

A survey of contemporary developments in the politics of sub-Saharan Africa, with special emphasis on the problems of national independence and the role of Africa in world affairs.

3 credit hours

PolSci 344 Institutions of the U.S.S.R.

A survey of the political system of the U.S.S.R. with emphasis upon social and cultural effects.

3 credit hours

PolSci 402 Topics in Comparative Politics: Political Parties

Analysis and application of theoretical frameworks for studying the role of political parties in the political system. Data will be drawn from selected non-American parties and political systems. Senior seminar. Pre-

requisite: a course in Comparative Politics and permission of the instructor.

3 credit hours

AMERICAN POLITICS

PolSci 320 The American Presidency

A study of the Presidential office and the men who have held it. Emphasis will be placed upon the development of the Presidency in recent times and the many interrelated roles performed by the Chief Executive in the political system.

3 credit hours

PolSci 321 The Legislative Process

An examination of the legislative process at both the state and national levels to understand the role of the legislature and the legislator within the political system.

3 credit hours

PolSci 322 Constitutional Law and Development

An inquiry into the general principles of the American constitutional system with special reference to the role of the judiciary in the interpretation, enforcement and development of the Federal constitution.

3 credit hours

PolSci 323 Civil Rights and Civil Liberties

A study of civil rights in the American constitutional system with special reference to the role of the judiciary in the interpretation, enforcement and development of the Federal constitution.

3 credit hours

PolSci 324 Public Administration

An examination of the roles and characteristics of bureaucracy in modern government. Administrative decision-making is analyzed in terms of the relationship between organizational structures and social and political environments.

3 credit hours

PolSci 325 Political Parties

Development and nature of the American two-party system; pressure groups, nominations and elections, public opinion and its formation and measurement, the political party in government.

3 credit hours

PolSci 350 Public Opinion

Analysis of the role of public opinion in the political system. The process by which political opinions are formed, communicated and influence political behavior. The design and administration of surveys to measure political opinions. Prerequisite: PolSci 201, American Politics.

3 credit hours

PolSci 360 Politics of the Megalopolis

A study of the political forces that are created by the megalopolis phenomenon and the effect that they have upon the political systems of such areas. A special effort will be made to develop an understanding of the web of metropolitan area problems and their relation to the political system.

POLITICAL THEORY

PolSci 330 Political Theory: Classical

A study of the fundamental philosophies of the major western political theorists from Ancient Greece until Reformation. The historical circumstances within which they developed their theories and an analysis of the present-day significance of their contributions.

3 credit hours

PolSci 331 Political Theory: American

A study of the development and growth of American political concepts from the colonial period to the present.

3 credit hours

PolSci 332 Foundations of American Political Theory

The theoretical foundations of the Dutch, English, French, and American revolutions.

3 credit hours

PolSci 342 Political Theory of the Developing Nations: Militant Socialism

A new ideological literature has emerged which reflects the background and aspirations of the recently decolonized peoples of the third world, as well as the aspirations of Black America. Contributors are Frantz Fanon, Che Guevara, Mao Tse-tung, Regis Debray, Fidel Castro, General Giap. In general this new ideology builds upon Marxism-Leninism but adds to it the ingredients of decolonialism, neocolonialism, peasant revolution, violence and racism. Discussion of sources in institutional context.

3 credit hours

Psychology

Psy 100 General Psychology

An introduction to the basic processes underlying human and animal behavior: sensation and perception, learning and thinking, emotion and motivation. Also an introduction to the study of human behavior in its social context. Topics to be stressed: personality dynamics, structure and development, conflict and psychopathology; the social psychology of the individual in society, attitudes and social action.

3 credit hours

Psy 200 Methods of Psychological Investigation

Detailed introduction to designing, carrying out, and writing up various types of psychological studies. Laboratory work includes typical studies in operant conditioning, verbal learning, and other areas. Preparation for Experimental Psychology I and II. (Lectures plus laboratory work.) Prerequisite: Psy 100.

3 credit hours

Psy 210 Psychology of Adjustment

Psychological principles pertinent to the understanding of personality and interpersonal adjustment. Discussion of research and theories of social motivation, conflict and anxiety, adjustment mechanisms and personality change. Prerequisite: Psy 100.

3 credit hours

Psy 220 Child Psychology

Physical, mental, social, and emotional factors of human growth and development in the infant and young child. Cognitive development, the socialization process and the influence of child-rearing practices will be emphasized. Prerequisite: Psy 100.

3 credit hours

Psy 230 Educational Psychology

A study of the basic factors in the learning process, with emphasis on the application of the principles of psychology to the problems of learning and teaching, includes study of actual classroom problems and procedures. Prerequisite: Psy 100.

3 credit hours

Psy 240 Adolescent Psychology

Physical, mental, social and emotional factors of human growth and development in the adolescent. Prerequisite: Psy 100.

3 credit hours

Psy 250 Psychology of Family Relations

Basic course designed to teach insights from both clinical and academic psychology by readings in such areas as the psychological dynamics of the family as a unit, parent-child interactions, the effect of developmental events on the psychology of the family. Class discussion and psychodrama will be used to illustrate these concepts. Prerequisite: Psy 100.

3 credit hours

Psy 300 Introduction to Statistical Methods

Introduction to basic descriptive methods and statistical inference, including parametric and nonparametric tests, and correlation. Also an introduction to the logic and use of analysis of variance and covariance. (Lecture and laboratory work.) Prerequisites: Psy 100, 200.

3 credit hours

Psy 310 Social Psychology

A consideration of the individual aspects of social behavior. Initially, attention will be focused on some problems in perception, thinking and motivation. The following topics will be examined: theories of cognitive consistency, theories of attitude formation and their relation to personality structure, motivational determinants of group membership and social conformity, social roles and social systems including leadership, etc. (Lecture and laboratory work.) Prerequisite: Psy 100.

3 credit hours

Psy 320 Experimental I, Learning, Motivation and Emotion

Human and animal learning with special emphasis on experimental evidence and techniques. Discussion of the situational and physiological determiners of behavior, theories of motivation and emotion, and laboratory work involving techniques and problems in the study of motivation. (Lecture and laboratory work.) Prerequisites: Psy 100, 200.

3 credit hours

Psy 330 Experimental II, Sensation and Perception

Basic phenomena of the senses, their physiological correlates and integration in complex perceptual judgments. (Lecture and laboratory work.) Prerequisites: Psy 100, 200.

3 credit hours

Psy 340 History and Systems of Psychology

Contributions of prominent historical figures and systems to the development of psychological theory and methodology. Examination of these systems in light of their significance for current theory. Consideration of the philosophy of science, philosophical issues in psychology, and the analysis of psychological language. Prerequisite: Psy 100.

3 credit hours

Psy 350 Theories of Personality

Consideration of the major personality theories, with emphasis on Freudian and neo-psychoanalytic personality theory. Theorists such as Jung, existentialists, personality theorists, and the proponents of a trait approach to personality will be discussed. Papers and discussion will concentrate on clarifying and evaluating the merits of different theories. Prerequisites: Psy 100, 210.

3 credit hours

Psy 360 Abnormal Psychology

Survey of psychopathology but with heavy emphasis on psychological theory and research, specifically with respect to (1) the difficulties in differentiating between normality and abnormality, (2) delineating the causes of emotional disturbances. Actual experience with the manifestations of psychopathology through case histories, literature and tape recordings. Prerequisites: Psy 100, 210.

3 credit hours

Psy 370 Abnormal Psychology in the Drama

An indepth study of abnormal behavior as it is manifested in classic and modern drama. Plot, character delineation, and the life of the playwright will be considered in the understanding of the drama from the viewpoint of psychology.

3 credit hours

Psy 400 Counselling Psychology — Practicum

Explanation of how theories of personality, learning and perception become translated in interpersonal relations. Alternative techniques of counselling and their varying consequences will be discussed. Implicit assumptions in counselling will be discussed in an attempt to make them explicit and to demonstrate their consequences. (Lecture plus experience.) Prerequisite: Psy 100.

3 credit hours

Psy 410 Clinical Psychology

Introduction to various aspects of the field: (1) Diagnostic testing, (2) Psychotherapy, (3) Interprofessional relationships, (4) settings for the practice of clinical psychology. Practical experience with diagnostic procedures and projective techniques through analysis of actual cases. Prerequisite: Psy 360.

3 credit hours

Psy 420 Physiological Psychology

Physiological aspects of behavior with special emphasis upon neurological structure and function. Experimental evidence on which theories of psycho-physiology are based will be studied. (Lecture and laboratory work.) Prerequisites: Psy 100, 200.

3 credit hours

Psy 430 Psychological Tests and Measurements

Delineation of measurement theory as well as actual experience with Intelligence, Aptitude, Achievement, Interest, and Personality tests. Theory and experience used to formulate guidelines by which to evaluate these tests as measuring devices with special attention to their applicability and limitations. Prerequisite: Psy 100.

3 credit hours

Psy 440 Industrial Psychology and Consumer Psychology

Problems and procedures in industrial psychology. Emphasis on motivational effects on such programs as incentive plans, worker adjustment, group participation, job security, training and supervision. Also the applications of psychology in personnel work. Includes selection, interviewing, training and counselling of employees, job analysis, attitude surveys and rating methods. The major factors involved in consumer psychology. Prerequisite: Psy 100.

3 credit hours

Psy 450 Experimental Social Psychology

Critical examination of research designs and methods for the study of problems in social psychology. Experimental projects with questionnaires, scales, interviews and observation methods, and with problems of sampling and data analysis. (Lecture 2 hours, laboratory 3 hours.) Prerequisite: permission of instructor.

3 credit hours

Psy 460 Seminar — Current Literature of Psychology

Extensive reading and discussion of current literature in psychology selected from a wide variety of significant journals and books as they are published during the year. Prerequisite: permission of instructor.

3 credit hours

Psy 490 Independent Study

Students conduct independent research projects. The problem studied will typically be one with which they are already familiar from their course work. Students must submit a written report of their work. Registration requires the approval of the department and the sponsorship of a faculty member who agrees to supervise the work.

Credit Arranged

Public School Nursing

PSN 300 Public School Nursing

Deals with the special training in public school nursing as a branch of public health nursing, including historical background, the various fields it covers, the problems and limitations that are involved. Responsibilities of the nation, state, community, school board, administrators, and the school nurse are studied. The new techniques of handling children with heart disease, communicable diseases, sight and hearing problems, crippled children, mentally retarded, those incapable of being educated, and accident prevention are included.

2 credit hours

PSN 301 Public Health Nursing I

A survey of the fundamental principles and the historical background of public health work in Europe, England, and America. Much stress is placed on the recent movement to bring this work up-to-date in our own state and the training and procedures by which it is to be accomplished. Careful consideration is given to the social changes in medicine, preventive techniques, population trends, modern ideas of sanitation and sewage disposal, housing conditions of today, methods of record keeping, Civil Service procedures and limitations as they concern the nurse.

3 credit hours

PSN 302 Public Health Nursing II

A continuation of Public Health Nursing I. The course deals with past and present patterns, definitions, and processes of public health nursing practice which apply to public health nursing today. Career planning and professional development of the school nurse specialty is an important aspect of the course. Special emphases are placed upon school nursing as it relates to the total community health program. Generalized versus specialized public health nursing service is carefully analyzed.

3 credit hours

PSN 303 Foundations of Nutrition

An overview of the principles of normal nutrition as they relate to therapeutic conditions in light of current development, food habits, marketing and budgeting. The nurse's role is covered in the following fields: teaching of nutrition in schools, homes, institutions and family nutrition service. This course is based upon the premise that the appraisal of nutritional needs and resources of the family and community precedes the development of a plan of guidance and counseling in the nutritional component of public nursing today.

2 credit hours

PSN 304 Family Case Work

A study of the processes of interviewing and making case studies of family groups. The history and sociology of the American family is used as a background for study. Lectures, reports, and seminar techniques are employed.

3 credit hours

PSN 305 Prevention and Control of Communicable Diseases

The course is designed to help the school nurse to gain a more comprehensive understanding of those communicable diseases which

are creating current health problems in our communities. Special emphasis will be placed upon the school nurse's role as a member of the school health team in the prevention and control of communicable disease problems.

3 credit hours

PSN 206 Public School Organization

Provides for nurses a non-instructional knowledge of the organization, administration, and functioning of the American Public School Systems. It includes specific studies of: Pupil personnel, teacher personnel, administration, non-instructional staff, auxiliary services, the educational program, local, state, and national professional organizations.

2 credit hours

Science

Sci 100 Basic Fortran for Computer Programming

Fundamentals of Fortran programming applied to the IBM 1620 computer. Use of Fortran language to solve practical problems pertinent to science, business, and other disciplines. Laboratory includes use of key punch and IBM 1620 computer for data processing. Prerequisite: High school algebra or its equivalent.

3 credit hours

Sci 300 Nuclear Science

Study of radioisotope methodology as utilized in various scientific disciplines. Students become familiar with various radioactivity detectors as they investigate the properties of elementary particles and their concomitant radiation. Prerequisite: Junior or Senior standing in science major.

3 credit hours

Secondary Education

Ed 200 Introduction to Secondary Education

Practical emphasis on the problems of secondary school teaching; school organization and administrations; curriculum and co-curricular activities; examination of school law. This course should be scheduled in the fourth semester as it is a pre-requisite for admission into the upper-division.

2 credit hours

Psy 220 Educational Psychology

A study of the basic factors in the learning process, with emphasis on the application of principles of psychology to problems of learning and teaching.

3 credit hours

Ed 300 Secondary School Methods (Teaching of Course)

Principles, materials, and methods of teaching English, Speech, Modern Foreign Language, Mathematics, Science, or Social Science in the secondary school; assignment to section according to subject matter.

3 credit hours

Ed 301 Evaluative Techniques

Elementary statistics, principles of test construction, selection and administration of standardized tests; emphasis on interpreting and reporting test scores; consideration of means of evaluation other than tests.

2 credit hours

Ed 302 Audio-Visual Communication

The underlying philosophy, principles, and technique involved in the use of sensory aids.

2 credit hours

SecEd 401 Professional Seminar

Current educational theories and practices are critically reviewed and evaluated. An independent study project, by department advisement, is part of this course.

2 credit hours

Ed 401 History and Philosophy of Education

A foundations course in the study of professional education. Introducing the student to the social, historical, and philosophical foundations of education and the relationship that exists between the school and the society it serves.

3 credit hours

SecEd 400 Student Teaching (English, Speech, Biology, Chemistry, Physics, Mathematics, Geography, French, Spanish, German, History, Social Science, Earth and Space Science)

An opportunity to apply the knowledge and skills acquired in professional preparation. This is accomplished by a field experience in college established centers under the supervision of well-qualified cooperating teachers. During this period, observations and conferences are scheduled by the college supervisor who regularly visits the student during his

off-campus experience. Required course for all secondary education majors.

12 credit hours

Sociology

Soc 201 Principles of Sociology

Introduction to the structure and dynamics of human society; analysis of social groups, intergroup relations; major social forces and changing aspects.

3 credit hours

Soc 301 Contemporary Social Problems

Analysis of modern society through a study of selected problems, including class and caste, minorities, family disequilibrium, crime. Prerequisite: Soc 201.

3 credit hours

Soc 302 The Community

Examination, for a sociological perspective, of several forms of local settlement, with special emphasis on the urban community in the United States. Prerequisite: Soc 201.

3 credit hours

Soc 303 Methods of Social Research I

Steps in the research process: formulation of the research problem; phases and problems in the design of social research; methods of data collection, classification, analysis and interpretation of data. Students will prepare research instruments and carry out a research project.

3 credit hours

Soc 304 Methods of Social Research II

Continuation of Soc 303 with emphasis upon quantitative techniques of social measurement such as attitude scaling and some consideration of problems in elementary social statistics and methodology. Prerequisite: Soc 303.

3 credit hours

Soc 310 Social Theory

A critical analysis of significant theoretical formulations with emphasis on American and European theorists of the 20th century. The approach will include an examination of the relation between theoretical development and current research emphases.

3 credit hours

Soc 490 Seminar

Intensive group study on topics in the field of Sociology with individual studies contributing to the group.

Credit Arranged

Special Education

SpEd 101 Introduction to Exceptional Children

Nature and needs of children who are exceptional in emotional, social, physical, and intellectual development, including gifted. Career opportunities in Special Education, Rehabilitation and related areas. Observation in special education settings. Prerequisite: Psy 100.

3 credit hours

SpEd 201 Nature of Mental Retardation

Causes, classification, and characteristics of the mentally retarded and neurologically impaired. Consideration of differential diagnosis, mental testing, research findings and educational, psychological, and social implications. Emphasis on educable and trainable retarded. Observation and field trips. Prerequisite: SpEd 101.

3 credit hours

SpEd 301 Curriculum Adjustments for the Retarded

Study of philosophy, special curriculum, methods, and materials in educating the mentally retarded. Considers goals, school organization, grouping, planning, unit instruction, teaching-learning process, evaluating pupil progress, and parent and other agency relationships. Prerequisite: SpEd 201.

3 credit hours

SpEd 302 Diagnostic and Corrective Teaching

Study and directed application of selected achievement and other special tests and procedures useful for diagnostic and corrective teaching of children with learning disabilities. Development of teaching procedures adjusted to individual needs or weaknesses. Prerequisite: SpEd 201.

3 credit hours

SpEd 303 Observation and Participation in Mental Retardation

Observation and participation in educable and trainable special classes with seminar class discussions and conferences with instructor. Considers teaching — learning process, selecting, organizing and presenting curriculum materials at different grade levels. Case study project. Prerequisites: SpEd 301, Psy 230.

3 credit hours

SpEd 310 Survey of Speech and Hearing Disorders

Introduction to the field of speech pathology and audiology with orientation towards the classroom teacher. Development of understanding of the nature of specific speech, hearing, and language disorders, recognition of these disorders, and basic principles of speech correction. Students are introduced to methods of speech training appropriate for classroom teachers. Prerequisite: SpEd 101.

3 credit hours

SpEd 320 The Mentally Gifted

Physical, mental, emotional, and social characteristics of mentally gifted children and youth. Consideration of teaching procedures, type of organization, and curriculum materials for their education. Explore creative activities, guidance, evaluation of programs, and research findings. Prerequisite: SpEd 101.

3 credit hours

SpEd 330 Disadvantaged Children and Youth

Introductory study of definitions, causes, characteristics, and education of children and youth from disadvantaged environments. Considerations of problem in social-psychological context with implications for programs of improvement and research findings. Prerequisite: Psy 100.

3 credit hours

SpEd 400 Student Teaching in Mental Retardation

Practice teaching under supervision in special class for the retarded. At the elementary level, includes nine weeks in a primary and nine weeks in an intermediate special class; at the secondary level, nine weeks in a junior high and nine weeks in a senior high special class; and in trainable, nine weeks in a primary educable and nine weeks in a trainable special class.

12 credit hours

SpEd 401 Teaching the Retarded in the Elementary School

Concerned with organizational procedures, curriculum practices, and techniques used in educating mentally retarded children in elementary schools. Emphasis on primary and intermediate programs. Prerequisite: SpEd 303.

3 credit hours

SpEd 402 Teaching the Retarded in the Secondary School

Study of organizational procedures, curriculum practices, and methods and techniques used in educating the mentally retarded in junior and senior high schools. Emphasis on pre-vocational and work-study programs. Prerequisite: SpEd 303.

3 credit hours

SpEd 403 Teaching the Trainable Mentally Retarded

Organization of special class and school programs for severely retarded children and youth. Diagnosis and classification. Development of teaching materials and techniques. Community organizations and parent education. Prerequisite: SpEd 303.

3 credit hours

SpEd 410 Professional Seminar in Mental Retardation

Taken concurrently with student teaching. Considers general orientation and critiques concerned with classroom problems, study of school law, school organization and administration, and role of Special Education in this context.

2 credit hours

Speech and Drama

Spc 101 Speech Fundamentals

Theoretical and practical instruction in the principles of effective oral communication, with a concern for its importance in a Democratic society. Emphasis is placed on delivery, speaker attitudes, critical listening, audience analysis, and the organization of basic types of speeches.

3 credit hours

Spc 110 Introduction to the Theatre

A basic approach to the fundamental aspects of dramatic art. A brief survey of theatrical history, a study of play structure, the reading of significant dramas, an understanding of directing and acting, and the elements of stagecraft will receive major emphasis within the course.

3 credit hours

Spc 200 Oral Interpretation

An introduction to the methods of analysis and presentation necessary for the effective

oral reading of prose, dramatic literature and poetry, as well as the techniques involved in choral reading. Practical experience in presentation of selections will be included.

3 credit hours

Spc 201 Introduction to the Mass Media

A study of radio, television and film covering their origin, history, organization, theory, principles and philosophy; their methods of entertainment, instruction and persuasion. The role of the public arts in American society. Practical experience in the proper use of the basic tools on the mass media and critical analysis and evaluation of samples of materials from the mass media will be included.

3 credit hours

Spc 202 Creative Dramatics

A study of the theories, techniques and use of creative dramatics with children and young adults. Study and practice in informal dramatization of literature, role playing, dramatic play and story-telling will be included. Techniques for the use of creative dramatics in school, church and community groups for learning purposes, entertainment and social development.

3 credit hours

Spc 210 Introduction to Stagecraft

A study of the principles and procedures of constructing, handling, assembling, and painting stage scenery and properties. The course covers the development of stagecraft but is conducted mainly as a workshop. Students are responsible for the construction, assembly and painting of scenery and properties for major departmental productions.

3 credit hours

Spc 212 Acting

Study of the techniques and methods of acting. This course will be designed for the beginning actor and no previous acting experience is necessary. The course will include a brief history of acting and acting theories, basic stage techniques and preparation for a role. There will be practical application periods and the student will perform before an invited audience in the final weeks of the course.

3 credit hours

Spc 214 Makeup

Makeup is a practical course designed to familiarize the student with the basic principles and techniques behind the application of stage makeup. Each student will be assigned a variety of makeup problems in both the classroom and as special projects during campus dramatic productions.

3 credit hours

Spc 300 Phonetics

Application of the International Phonetic Alphabet and Phonetic Theory to the description of American English and dialects of English; emphasis is also placed on transcription, pronunciation, sound change, and speech improvement.

3 credit hours

Spc 302 Bases of Speech

A scientific and humanistic synthesis of the foundations of Speech; a broad view of the nature and function of the many-faceted discipline.

3 credit hours

Spc 301 Voice and Diction

Practical and theoretical methods of improving voice and diction. Emphasis is placed on correcting individual problems through changes in negative vocal habits.

3 credit hours

Spc 304 Advanced Public Speaking

A study of the methods involved in the construction, preparation and delivery of informative, persuasive and entertainment speeches. An emphasis is placed on audience analysis and the psychology of group communication as it affects public speaking situations, as well as on the study of the nature and use of language. Practice will be given in the construction, delivery and evaluation of manuscript speeches.

3 credit hours

Spc 305 Discussion and Group Dynamics

A study of the techniques and principles of the interview and discussion and their use in a democratic society for investigation and for problem-solving. There is practice in discussion for formal and informal, public and private situations, a discussion of the techniques of leadership and nature and purpose of discussion, and an investigation of how groups interact and the nature of group thought and action. Practical experience in the interview situation and the various forms of discussion will be included.

3 credit hours

Spc 306 Argumentation and Debate

A study of the theory and practice of argumentation and debate. Detailed study of persuasive speaking and the use of logic and evidence. Practical experience in the various types of debating will be included.

3 credit hours

Spc 308 Reader's Theatre

The philosophy and techniques involved in the organization and presentation of reader's theatre and chamber theatre productions. Reader's theatre as " . . . creative oral reading which calls forth mental images of characters enacting a scene that exists primarily in the minds of the participants — both the reader's and the audience's" will be stressed.

3 credit hours

Spc 310 Directing

A fundamental approach to the principles and procedures of directing a play. It covers the director's qualifications, functions, and considers the actor from the director's viewpoint. Principles of play selection, script analysis, auditioning and casting, rehearsal techniques, staging, and synthesizing the performance are studied. Styles of staging a play are discussed and applied in laboratory scenes from classical to modern drama. Students direct workshop scenes and a one-act play is presented before an audience.

3 credit hours

Spc 312 Stage Lighting

A study of illumination and its place in theatre as a creative medium. History of lighting and its major contributions are covered. Students learn fundamentals of electricity, the mechanics of lighting equipment, and the nature of light and color. Experience in the laboratory teaches the student various functions, applications, and control of stage lighting. Also the student participates in the design and execution of lighting plots for major department productions.

Spc 313 Scene Design

An introductory study of the principles and procedures of scenic design but mainly concentrate on the three qualities that are influenced or directly related to the specific demands of the modern theatre. These are: (a) the vision and imagination of the creative artist, (b) the ingenuity and skills of the stage artisan and, (c) above all, the knowledge and sense of theatre of the actor, director, and playwright.

3 credit hours

Spc 314, 315 History of the Theatre

History of the Theatre is a comprehensive survey of the development of the theatre from its primitive origins to the twentieth century with an emphasis on the physical theatre. A number of plays, representative of significant theatrical periods, will be read. Each play and its style of presentation will be related to the cultural and social setting of the period studied.

3 credit hours each

Spc 400 Communication Theory

An investigation and study of theories of communicology, communication barriers, relationship between sign, symbols and the communication process, encoding and decoding of messages, perception and thought, psychology of communication; and an introduction to general semantics.

3 credit hours

Spc 401 Persuasion

The study of the principles and techniques involved in persuasion and persuasive speaking: An analysis of persuasion and propaganda, how persuasion and propaganda affect us daily, the psychology of persuasion and the use of persuasion and propaganda in a free society.

3 credit hours

Spc 403 Critical Survey of Public Address

An analysis of outstanding historical speeches focusing on rhetorical theory and its developments. The practical arts of discourse, and criticism as it applies to the artifices of Public Address and their cultural and institutional correlates.

3 credit hours

Ed 300 Teaching Speech and Drama in the Secondary School

The course covers the objectives, status and problems of speech education in the public schools; principles and methods of teaching speech and drama units and courses; methods for developing a speech and drama syllabus; the organization and production of assembly programs in the high school.

3 credit hours

Spc 410 Play Production

Play Production is a practical approach to the fundamental aspects of dramatic art designed for the senior student. Knowledge of all areas of play production is required. Students shall have complete control of a major campus production and will organize crews, design, construct, light, direct, cast, and handle the business of this production. Prerequisites: Spc 110, 210, 212, 214, 310, and 312.

3 credit hours

Spc 414 Musical Theatre

Musical Theatre examines one of America's most significant contributions to dramatic art. The historical development of musical theatre will be studied in detail. Production problems in the areas of direction, acting and stagecraft will also be considered.

3 credit hours

Spc 416 Dramatic Theory and Criticism

A study of the theories of comedy and tragedy, the psychology of the audience, the critic, and trends of the contemporary stage will be the basis of this course which will stress the formulation of individual philosophies within these areas.

3 credit hours

Spc 418 Playwriting

Study of the principles and theories of dramatic structure and practice in the writing of one-act and/or full-length plays. Experimental laboratory dramatizations class projects will be emphasized.

3 credit hours

Spc 450 Special Projects in Speech and Drama

Individual projects designed for advanced students in speech and drama. By consent of instructor only. Prerequisite: Fifteen semester hours of work in the field.

3 credit hours

COLLEGE CALENDAR

(Tentative)

1970-1971

Summer School 1970

First Six Weeks (June 8 — July 17)

Residence Halls Open	June 7, 1970
Registration	June 8, 1970
Classes Begin	June 9, 1970
Classes End	July 17, 1970

Second Six Weeks (July 20 — August 29)

Registration	July 20, 1970
Classes Begin	July 21, 1970
Classes End	August 29, 1970

Fall Term 1970-1971

Residence Halls Open	September 7, 1970
Registration— Freshmen, Transfer, Readmits	September 10, 1970
Registration — Upperclassmen	September 11, 1970
Classes Begin	September 14, 1970
Last Day to Add a Course	September 21, 1970
Last Day to Drop a Course	October 5, 1970
First Quarter	November 6, 1970
Thanksgiving Recess Begins	November 24, 1970
Thanksgiving Recess Ends	November 30, 1970
Christmas Recess Begins	December 19, 1970
Christmas Recess Ends	January 4, 1971
Last Day of Classes	January 19, 1971
Final Examinations Begin	January 21, 1971
Semester Ends and Commencement	January 29, 1971

Spring Term 1970-1971

Residence Halls Open	January 31, 1971
Registration	February 1, 1971
Registration	February 2, 1971
Classes Begin	February 3, 1971
Last Day to Add a Course	February 12, 1971
Last Day to Drop a Course	February 26, 1971
First Quarter	March 26, 1971
Spring Recess Begins	April 6, 1971
Easter	April 11, 1971
Spring Recess Ends	April 13, 1971
Alumni Day	May 22, 1971
Last Day of Classes	May 21, 1971
Final Examinations Begin	May 24, 1971
Semester Ends and Commencement	June 1, 1971

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State Univ. of N.Y. at Buffalo, J.D.

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Northwestern University, M.M., Ph.D.

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University of Michigan, M.M., Ph.D.

Charles H. Holmes
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Syracuse University, D.D.S.

Richard M. Wilson
Dean of Teacher Education
Director of Student Teaching and Placement
Mansfield State College, B.S.
Pennsylvania State University, M.Ed., D.Ed.

Leon E. Lunn *Director of Admissions*
Mansfield State College, B.S.
St. Bonaventure University, M.Ed.

James W. Carlson
Assistant Director of Admissions
Mansfield State College, B.S.
Bucknell University, M.A.

James Simonis *College Librarian*
Middle Tennessee State College, B.S.
George Peabody College, M.A.L.S.
University of Michigan, M.A.

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Vassar College, A.B.

Molly R. Snively *Assistant Dean of Women*
Salem State College, B.S.
Syracuse University, M.A.

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West Chester State College, B.S.
University of Pennsylvania, M.S.

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Lock Haven State College, B.S.
Pennsylvania State University, M.Ed.

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Bloomsburg State College, B.S.
Bucknell University, M.S.

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St. Vincent College, B.S.

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East Stroudsburg State College, B.S.

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Peirce School of Business Administration

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Office of Public Relations and Alumni Affairs
Lafayette College, B.S.

FACULTY

Park, Lawrence — *President*
State Univ. New Paltz, B.S.
New York University, M.A., Ed.D.

Emeriti

Allen, Elizabeth S.
Mansfield State College, B.S.
Columbia University, M.A.
Retired 1959

Atwater, Cora A.
Chicago Conservatory, Mus.B.
Retired 1952

Beyer, Leonard K.
Bethany College, B.S.
Cornell University, M.S.
Retired 1962

Brooks, Marjorie
New York University, B.S.
Eastman School of Music, M.A.
Retired 1959

Doane, Alice
New York University, A.B.
Retired 1940

Gordon, Clarissa Randall
New York University, B.S.
New York University, M.A.
Retired 1961

Grigsby, Jessie
New York University, B.S., M.A.
Retired 1954

Grigsby, Mildred
Bucknell University, B.S.
Teachers College, Columbia University, M.A.
Retired 1959

Hendricks, Enid L.
Bridgewater State College, B.S.
University of Boston, M.S.
Retired 1966

Marsh, Edna P.
Teachers College, Columbia University, B.S., M.A.
Retired 1954

Marvin, Kimble
Lafayette College, B.S.
New York University, M.A.
Retired 1959

Morales, Elizabeth
Teachers College, Columbia University, B.S., M.A.
Retired 1960

Mutchler, Dr. Clarence
Lock Haven State College, B.S.
Bucknell Univ., M.S. Ed.
Pennsylvania State University, D. Ed.
Retired 1969

O'Brien, Margaret
Syracuse Univ., B.A.
McGill Univ., Montreal, Canada, M.A.
Retired 1954

Powell, Maryon Farrer
Simmons College, B.S.
Teachers College, Columbia University, M.A.
Retired 1961

Rockwell, Bertha Palmer
Millersville State College, B.S. Lib.
Retired 1958

Swan, Elizabeth
Kentucky University, A.B.
University of Virginia, M.A.
Retired 1959

Professors

Baynes, John H. — *Chairman, Music Department*
Mansfield State College, B.S.
University of Michigan, M.Mus.
Boston University, Mus.A.D.

Bencetic, Stephen T. — *Chairman, Art Department*
Youngstown University, B.S.Ed.
State Univ. of Iowa, M.A., M.F.A.
Pennsylvania State Univ., D.Ed.

Bluhm, George P. — *Chairman, Social Science Department*
Lock Haven State College, B.S.Ed.
Pennsylvania State Univ., M.Ed., D.Ed.

Bone, Margaretta M. *Elementary Education*
Bloomsburg State College, B.S.
Pennsylvania State Univ., M.Ed.
New York University, Ed.D.

Bridgman, Robert J. *Mathematics*
Western Michigan Univ., B.S.
University of Michigan, M.A.

Cecere, James G. *Art Education*
State Univ. New Paltz, B.S.
Pratt Institute, M.F.A.
Pennsylvania State Univ., D.Ed.

Chau, Yau P. *Social Science*
New York University, B.A.
University of Michigan, M.A.
University of Chicago, Ph.D.

Chung, In-Cho *Biology*
Seoul National University, B.S.
University of Michigan, M.S., Ph.D.

DeGenaro, Arthur P. *Chairman Health and Physical Education*
Kent State University, B.S. Ed.
Kent State University, M.Ed.
Ohio State University, Ph.D.

Dobberstein, William F. *Director, Testing and Counseling Center*
Cornell University, A.B., M.A.
New York University, Ed.D.

Doyle, John G. *Music*
Juilliard School of Music, Diploma (Piano)
College of Charleston, B.A.
Columbia University, M.A.
New York University, Ph.D.

Dyck, Henry D. *English*
University of Manitoba, B.A.
University of Minnesota, M.A.
University of Penna., Ph.D.

Finley, Richard E. *Chairman, Secondary Education*
Pennsylvania State Univ., B.S., M.Ed., D.Ed.

Francis, Bertram W. *Music*
Northwestern University, B.M.E., M.M.

Goode, William M. *Music*
Auburn University, B.S.
Birmingham-Southern College Conservatory, B.M., M.M.
Indiana University, Ph.D.

Halchin, Lilla C. *Chairman, Home Economics Department*
State Univ. of N.Y. at Buffalo, B.S.
Cornell University, M.S.
Pennsylvania State Univ., Ph.D.

Heaps, John C. *Elementary Education*
Lock Haven State College, B.S.
Pennsylvania State Univ., M.Ed., D.Ed.

Heltibridle, Mary E. *Elementary Education*
Temple University, B.S.
George Washington Univ., M.A., Ed.D.

Henry, Helen I. *Music*
Univ. of Illinois, B.S.M.E.
Illinois Wesleyan, M.M.
Northwestern University, Ph.D.

Hill, Walter Kent *Music*
Oberline Observatory, B.M.
Eastman School of Music, M.M., A.M.D.

Holmes, Charles H. *Dean of Arts and Sciences*
Utah State University, B.S., M.S.
Syracuse University, D.S.S.

Hunsicker, C. L. *Elementary Ed.*
Bloomsburg State College, B.S.Ed.
Bucknell University, M.S.Ed.
Pennsylvania State Univ., D.Ed.

Husted, Benjamin *Music*
Mansfield State College, B.S.
Temple University, M.Ed.
Eastman School of Music, Ph.D.

Jeffers, Verne G. *Elementary Education*
State Univ. of N.Y. at Potsdam, B.S., M.S.
State Univ. of N.Y. at Albany, Ed.D.

Jones, Eugene *Music*
Southwest Missouri State College, B.S.
Eastman School of Music, M.M.

Little, John B. *Music*
Southern Methodist, B.M.
Eastman School of Music, M.M., D.M.A.

Lloyd S. Manford *Secondary Education*
Mansfield State College, B.S.
Teachers College, Columbia, M.A.

McCrossen, Vincent *Chairman, Foreign Language*
Dickinson College, A.B.
University of Pittsburgh, Ph.D.

Miller, Mildred P. *Secondary Education*
Lock Haven State College, B.S.
Pennsylvania State Univ., M.Ed., Ed.D.

Mouly, Ruth Widmayer *Political Science*
University of Washington, B.A.
University of Washington, M.A.
Harvard-Radcliffe, Ph.D.

Mullen, George H. *Chairman, Physics*
Rutgers, B.A.
Syracuse University, M.S.
Syracuse University, Ph.D.

Pfluger, Luther W. *Chairman, Elementary Ed.*
Texas Lutheran College, A.A.
University of Texas, B.S.
North Texas St., M.Ed.
Columbia University, Ed.D.

Plankenhorn, William F. *Geography*
Bucknell University, A.B., M.A.
Pennsylvania State University, Ph.D.

Powell, Manly J. *Chairman, Chemistry Department*
Michigan State University, B.S., M.S., Ph.D.

Prutzman, Thomas D. *Psychology*
Stetson University, A.B.
University of Miami, M.S.
Florida State University, Ph.D.

Saveson, John E. *Chairman, English Department*
Denison University, B.A.
University of Chicago, M.A.
University of Cambridge, Ph.D.

Schappelle, Newell A. *Chairman, Biological Sciences Department*
University of Massachusetts, B.S.
Cornell University, Ph.D.

Schmitz, S. M. *Dean of Academic Affairs*
Lawrence College, B.M.
Northwestern University, M.M., Ph.D.

Seidel, Charles F. *Chairman, Psychology Department*
Lycoming College, B.A.
University of Liverpool, England, Ph.D.

Shick, Richard L. *Chairman, Special Education Department*
Lock Haven State College, B.S.
Pennsylvania State Univ., M.Ed., D.Ed.

Shimer, Helen P. *Home Economics*
University of Miami, B.S.
Pennsylvania State Univ., M.S.
Purdue University, Ph.D.

Snively, Laurence *Dean of Student Affairs*
Texas Technological College, A.B., M.Ed
University of Colorado, Ed.D.

Unger, Robert W. *History*
Olivet-Nazarene College, A.B.
Univ. of Phillipines, A.B.
Ball State University, M.A., Ph.D.

Wilson, Richard M. *Dean of Teacher Education, Director of Student Teaching and Placement*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed., D.Ed.

Wunderlich, Charles E.
Dean of Graduate Studies
Eastman School of Music, B.M.
University of Michigan, M.M., Ph.D.

Associate Professors

Bennett, Marion S. *Elementary Education*
Mansfield State College, B.S.
Columbia University, M.A.

Biddison, Larry T. *English*
Texas A & I University, B.A.
Louisiana State University, M.A.

Billings, Ruth M. *History*
Keuka College, B.S.
Teachers College, Columbia University, M.A.

Borkey, Florence R. *Music*
Eastman School of Music, B.M.
West Chester State College, B.S.
Columbia University, M.A.

Borodkin, Irwin *Music*
University of Miami, B.A.
Teachers College, Columbia Univ., M.A., Prof. Diploma.

Brace, Mary M. *Home Economics*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Bramblett, Jerry E. *Music*
Yale University, B.S.
Columbia University, Ph.D.
Boston University, M.Mus.

Breniman, Emery R. *Special Education*
California State College, B.S.
Westminster College, M.Ed.
Pennsylvania State Univ., D.Ed.

Clark, Owen A. *Chairman, Mathematics Department*
Pennsylvania State University, B.S.
Brown University, M.A.T.

Davis, J. Bruce
Shippensburg State College, B.S.
Pennsylvania State Univ., M.Ed.

DePriest, E. Raleigh *Library*
Middle Tennessee State College, B.S.
George Peabody College, M.A.L.S.
University of Michigan, M.A.

Dick, David J. *Music*
Ithaca College, B.S. Mus. Ed.
Butler Univ., M.M. Mus. Hist. & Lit.

Feil, Richard N. *Psychology*
Loyola Univ. of Chicago, B.A.
Catholic University, M.A., Ph.D.

Foreman, Jay B. *History*
Pennsylvania State University, A.B., M.A.

Glimm, James Y. *English*
Holy Cross College, B.A.
Univ. of Texas, Ph.D.

Grace, Joel E. *Psychology*
Franklin & Marshall, B.A.
University of Waterloo, M.A.
University of Waterloo, Ph.D.

Grimes, Walter F. *Social Science, Sociology*
Mansfield State College, B.S.
Cornell University, M.S., Ph.D.

Hafer, Paul C. *History*
Shippensburg State College, B.S.
Pennsylvania State Univ., M.Ed.

Halchin, Matthew *Psychology*
Edinboro State College, B.S. Ed.
Pennsylvania State Univ., M.Ed., D.Ed.

Hartman, John A. *Chemistry*
Univ. of Toledo, B.S.
Wayne State University, M.S., Ph.D.

Heverly, Robert E. *Mathematics*
Lock Haven State College, B.S.
Bucknell University, M.S.

Hurley, William *Dean of Men*
Lock Haven State College, B.S.
Pennsylvania State College, M.Ed.

Jacoby, Gordon A. *Chairman, Speech and Drama Department*
City College of New York, B.A.
Ohio State University, M.A., Ph.D.

Johnson, Robert A. *Elementary Education*
Mansfield State College, B.S.
Cornell University, MST
Cornell University, Ph.D.

Kane, Hugh *Special Education*
Adrian College, Michigan, B.A.
Univ. of Southern California, M.S.

Keene, James A. *Music*
Eastman School of Music, B.M.
Wayne State University, M.M.Ed.

Keller, Katherine E. *Home Economics*
Pennsylvania State University, B.S., M.S.

Kellerman, Jeanne *Elementary Education*
East Stroudsburg State College, B.S.
Pennsylvania State University, M.Ed.

Kemper, Richard L. *Music*
University of Evansville, B.M.E.
Indiana University, M.M.E.

Kjelgaard, Alfred *Mathematics*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Klopp, Victor J. *Library*
University of Toronto, B.A., M.A.
University of Wisconsin, M.A.L.S.

Lewis, Christine S. *Music*
Missouri Univ., B.S.
Diploma, Cincinnati Conservatory
Northwestern Univ., M.M.

Loomis, Judson C. *Library Education*
Ithaca College, B.S.
Syracuse University, M.S.L.S.

Little, Marie F. *Political Science*
Connecticut College, B.A.
Univ. of New Hampshire, M.A.

Lutes, Helen D. *Health and Physical Education*
East Stroudsburg State College, B.S.
Pennsylvania State University, M.Ed.

MacCain, Donald C. *Geography*
West Chester State College, B.S., M.Ed.

Mahoney, Nora B. *Secondary Education*
Shippensburg State College, B.S.
Pennsylvania State Univ., M.Ed.

Mason, Richard F. *Physics*
University of New Hampshire, B.S., M.Ed.

Maxson, Robert T. *Health and Physical Education*
Mansfield State College, B.S.
George Peabody College, M.A.

Mehl, Joseph M. *History*
Maryland University, B.A., M.A.
American University, Ph.D.

Moore, Robert H. *Director of Athletics*
Lock Haven State College, B.S.
Pennsylvania State University, M.Ed.

Peltier, David P. *History*
Kings College, B.A.
Univ. of Delaware, Ph.D.

Pfaadt, William C. *History*
Washington and Jefferson College, A.B.
Allegheny College, M.A.

Revere, Robert B. *Acting Chairman, Political Science*
Roosevelt University, B.A.
Asia Institute, New York, M.A.

Revere, Virginia L. *Psychology*
University of Chicago, Ph.B., M.A.

Rusk, J. Wayne *Music*
University of Cincinnati, B.M., M.M.

Sanders, Walter G. *English*
Washington University, A.B.
University of Wisconsin, M.S.

Scheer, Ronald D. *English*
Valparaiso University, B.A.
University of California, M.A.

Schmid, William F. *Chemistry*
University of Rochester, B.A.
University of Colorado, Ph.D.

Scott, M. C. *Library*
Kansas Wesleyan University, A.B.
Fort Hays Kansas State College, M.S.
University of Oklahoma, M.L.S.

Sheaffer, Avery *Anthropology*
Ohio State University, B.S.
American University, M.A.

Sidler, Jack D. *Chemistry*
Geneva College, B.S.
State Univ. of N.Y. at Buffalo, Ph.D.

Smichowski, Vincent P. *Biology*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Smith, S. Louise *Home Economics*
Mansfield State College, B.S.
Teachers College, Columbia University, M.A.

Spahija, Miftar *Spanish*
University of Turin, Italy, Ph.D.

Stabler, M. Louise *Elementary*
Lock Haven State College, B.S.
Bucknell University, M.S.

Stich, Thomas F. *Special Education*
Lock Haven State College, B.S.
Pennsylvania State University, M.Ed.

Sutton, Robert P. *Acting Chairman, History Department*
Juniata College, B.A.
College of William and Mary, M.A.
University of Virginia, Ph.D.

Swinsick, Robert E. *Secondary Education*
Mansfield State College, B.S.
St. Bonaventure Univ., M.S. Ed.
Pennsylvania State Univ., Ed.D.

Taylor, Jed H. *Library*
Syracuse University, B.S., B.A.
Columbia University, M.S.L.S.
Boston University, M.A. (Gov't)

Tesman, Solomon *History*
Brooklyn College, B.A.
Univ. of California at Berkeley, M.A.

Turner, Albert M.
Emory University
Columbia University

Uffelman, Larry K. *English*
Illinois Wesleyan, B.A.
University of Illinois, M.A.

Vespa, Angelo D. *History*
Pennsylvania State University, B.S., M.Ed., M.A.

Vroman, Leslie P. *Secondary Education*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Weed, Charles E. *Biology*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Werner, Stanley E. *Mathematics*
Hershey Junior College, A.A.
Millersville State College, B.S.
Pennsylvania State Univ., M.A.

Wetherbee, William B. *Mathematics*
Mansfield State College, B.S.
University of Illinois, M.S.

Wilcox, Jack M. *Music*
Mansfield State College, B.S. Mus.Ed.
University of Michigan, B.M., M.M.
(Voice)

Wills, Roberta J. *Library Education*
Ball State University, B.A., M.A.
Syracuse University, M.S.L.S.

Young, Gladys B. *Biology*
Mansfield State College, B.S.
Bucknell University, M.S.

Zerby, Margaret W. *Library*
Bucknell University, B.A.
Drexel Institute, Library School, B.S.L.S.
Bucknell University, M.A.

Zdzinski, Edward J. *Music*
State Univ. of N.Y. at Fredonia, B.S.
Teachers College, Columbia, M.A.

Zulak, Edward J.
Foreign Languages Department
Duquesne University, B.A.
University of Pittsburgh, M.Ed.

Assistant Professors

Archibald, John *Geography*
Ohio Wesleyan University, B.A.
San Diego State College, M.A.

Beck, Larry J. *Secondary Education*
Director ETV
Univ. of Puget Sound, A.B.
Indiana University, M.S. Ed.

Blais, Wilfred A. *English*
Brown University, A.B.
University of Connecticut, M.A.

Bogart, William F. *German*
Hope College, A.B.
Middleburg College, A.M.

Borodkin, Pauline *Library*
University of Miami, B.S.Ed.
University of Southern California, M.L.S.

Buchanan, Eugenia *Foreign Language*
Columbia University, B.S.
Middlebury College, M.A.
University of Madrid, Spain, Ph.D.

Burkett, George I. *Foreign Language*
University of Oklahoma, B.A.
University of Oklahoma, M.A.

Carlson, James W. *Assistant Director*
of Admissions
Mansfield State College, B.S.
Bucknell University, M.A.

Costello, Thomas J. *Assistant Dean*
of Academic Affairs
Shippensburg State College, B.S.
Bucknell University, M.S.

Cushard, Edgar M. *Geography*
Mansfield State College, B.S. Ed.
Pennsylvania State Univ, M.Ed.

Davidson, Murray E. *Health and*
Physical Education
Lock Haven State College, B.S.
Western Maryland, M.Ed.

Dimmick, Bruce B. *Director,*
Educational Development Ctr.
Mansfield State College, B.S. Ed.
Bucknell University, M.S. Ed.

Donato, Amedee *French*
American College, Europe, B.A.
New York University, M.A.

Dry, Melvin A. *Health and*
Physical Education
Lock Haven State College, B.S.
Indiana Univ. of Penna., M.Ed.

Engel, Wellington C. *Mathematics*
Coffeyville College, A.A.
Kansas State College, B.A.
University of Kansas, M.A.

Eshelman, Thomas
Audio-Visual Communication
Clarion State College, B.S.

Espino, Josefina I. *Spanish*
University of Havana, B.S., D.Ed., Ph.D.

Evans, Leslie D. *Secondary Education*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Farrell, Robert A. *Acting Chairman, Geography Department*
Western Washington College
Clarion State College, B.S.
University of Oklahoma, M.A.

Friedman, Jonathan Z. *Political Science*
State University of N.Y., A.B.
State University of N.Y. at Buffalo, J.D.

Frombach, Ernest W. *Art Education*
Indiana University of Penna., B.S., M.Ed.

Garvelli, Ralph J. *Secondary Education*
Indiana University of Penna., B.S., M.Ed.

Gaydos, Mary Ann *Home Economics*
College Misericordia, B.S.
Pennsylvania State University, M.Ed.

Geiss, Donald R. *Secondary Education*
Michigan State University, B.S., M.A.

George, Arnold *Chemistry*
Univ. of Massachusetts, B.S., Ph.D.

Gertzman, Jay *English*
Univ. of Pennsylvania, B.S. Ed.
Columbia University, M.A.

Goff, Ralph C. *Biology*
St. Bonaventure University, B.S.
St. Bonaventure University, Ph.D.

Hall, Russell J. *Biology*
St. Bonaventure Univ., B.S.
Univ. of Kansas, M.S.

Heaton, Howard L. *French and German*
Univ. of Montana, B.A.
Middlebury College, A.M.

Higgins, Edward K. *Art*
University of Wisconsin, B.S.
University of Wisconsin, M.S.

Hill, Peter W. *Social Science, Economics*
Eastern Baptist Seminary, Th.B.
Greenville College, A.B.
Bradley University, A.M.

Hindman, Ira E. *English*
Roberts Wesleyan College, B.A.
Asbury Seminary B.D.
Stetson University, M.A.

Honeywell, Lawrence *Biology*
Rutgers University, B.S.
University of Pennsylvania, V.M.D.

Jackson, Barry T. *Psychology*
Sir Geo. Williams University, B.A.
Ottawa University, M.A.
Ottawa University, Ph.D.

Jones, Esther *Elementary Education*
Mansfield State College, B.S.
Pennsylvania State Univ., M.Ed.

Kelchner, Rod C. *Ass't Dean of Men*
Ass't. Dean of Student Affairs
Bloomsburg State College, B.S.
Bucknell University, M.S.

Kemper, Marjorie B. *Music*
University of Evansville, B.M.E.
Indiana University, M.M.E.

Koloski, Bernard J. *English*
East Stroudsburg State College, B.S.
University of Pennsylvania, M.A.

Kovich, John T. *Special Education*
Bloomsburg State College, B.S.
Pennsylvania State Univ., M.Ed.

Kulick, Johanna A. *Home Economics*
Marywood College, B.S.
Pennsylvania State Univ., M.Ed.

Kuster, Catherine M. *Elementary Education*
Mansfield State College, B.S.
Bucknell University, B.S.
Pennsylvania State Univ., M.Ed.

Lapps, Albert Vernon *Speech and Drama*
University of Michigan, A.B.
Wayne State University, M.A.

Lloyd, Florence S. *Health and Physical Education*
Univ. of Nebraska, B.A.
Univ. of Southern California, M.S.

Luce, Philip B. *Geology*
Colby College, A.B.
New York University, M.S.

Lukasz, Elena *History*
University of Chicago, B.A., M.A.

Lunn, Leon E. *Director of Admissions*
Mansfield State College, B.S.
St. Bonaventure Univ., M.Ed.

Macik, John A. *Chairman, Library Education Department*
Duquesne University, B.S., M.L.S.

Marsh, Ruth H. *Elementary Education*
Mansfield State College, B.S.
Columbia University, M.A.

McFadden, Ruby E. *Library*
Juniata College, B.A.
Drexel Institute of Technology, M.S. in L.S.

McMullen, Janet *Home Economics*
Mount St. Scholastica College, B.S.
Pennsylvania State Univ., M.Ed.

Mitchell, John P. *Psychology*
Alfred University, B.A.
Teachers College, Columbia Univ., M.A.

Morrison, Natalie K. *Art Education*
Pennsylvania State Univ., B.S., M.Ed.

Moser, Ethel M. *Health and Physical Education*
East Stroudsburg State College, B.S.
Bucknell University, M.S.

Mumma, Jacques D. *Mathematics*
Franklin and Marshall College, B.A.
Pennsylvania State University, M.A.

Murphy, Robert *Political Science*
California State College, B.S.
Villanova University, M.A.

Neff, Winifred S. *English*
Lock Haven State College, B.S.
Pennsylvania State University, M.Ed.

Owens, Konrad *Music*
Oberlin College, B.M., B.A.
Michigan State University, M.M.

Parks, Arlie M. *Speech and Drama*
State Univ. of N.Y. at Fredonia, B.S.
Pennsylvania State University, M.A.

Paskvan, Raymond F. *History*
Carleton College, B. A.
Univ. of Minnesota, M.A.

Piellusch, Frederick B. *Geography*
Concordia Teachers College of Illinois, B.S.
University of Oregon, M.A.

Putt, Robert C. *Elementary Education*
State Univ. of N.Y. at Geneseo, B.S.
State Univ. of N.Y. at Fredonia, M.S.

Remy, Ronald E. *Director, Audio-Visual Center*
California State College, B.S.
West Virginia University, M.A.

Schmid, Angeline *Music*
Eastman School of Music, B.M.
University of Colorado, M.M.

Schwartz, Stephen L. *English*
Brooklyn College, B.A.

Sefler, George F. *Philosophy*
DePaul University, A.B.

Snively, Molly R. *Assistant Dean of Women*
Salem State College, B.S.
Syracuse University, M.A.

Stanley, Donald A. *Music*
Ohio State Univ., B.S. Mus. Ed.
Ohio University, M.F.A.

Starkey, Eleanor E. *Assistant Dean of Women*
West Chester State College, B.S.
University of Pennsylvania, M.S.

Stein, Edward B. *Art Education*
Indiana University of Penna., B.S.
Univ. of Guanajuato, Mexico, M.F.A.

Talbot, Richard M. *Music*
Iowa State Teachers College, B.A.
Drake University, M.M.E.

Thomas, Samuel D. *Art Education*
Indiana Univ. of Penna., B.S.
Pennsylvania State Univ., M.Ed.

Vayansky, Michael E. *Physics*
California State College, B.S. Ed.
Kent State University, M.A.

Wanich, William P. *Data Processing*
Bloomsburg State College, B.S.
Bucknell University, M.S.

Wilson, Edward W. *Health and Physical Education*
Baldwin-Wallace College, B.A.
West Virginia University, M.S.

Witherow, Dale A. *Art Education*
Indiana Univ. of Penna., B.S.
Instituto Allende, Mexico, M.F.A.

Wunderlich, Joyce *Music*
Houghton College, B.M.
Ithaca College, M.S.

Zapp, Brigitte Edith *German*
Kings College, N.Y., B.A.
Middlebury College (Mainz, Germany) M.A.

Instructors

Bellamy, Joe D. *English*
Antioch College, B.A.
University of Iowa

Berglund, Nina *Library*
State Univ. of N.Y. at Albany, A.B., M.S.L.S.

Dyck, Kathryn M. *Music*
Kutztown State College, B.S.
Westminster Choir College, B.M.
University of Pennsylvania, M.A.

Griffing, Carl K. *Elementary Education*
Albany State College, B.S.
Cortland State College, M.S.

Hill, Kathryn R. *English*
Texas Tech. College, B.A.
Texas Tech. College, M.A.

Hindman, Kathleen B. *English*
Valparaiso University, B.A.
Louisiana State University, M.A.

Howland, Norma S. *Home Economics*
Mansfield State College, B.S.

Iovino, David A. *Spanish*
Duquesne University, B.S.

Janello, Theodore D. *Speech and Drama*
University of Connecticut, B.F.A., M.A.

Jones, Margaret G. *Public School Nursing Department Supervisor of Infirmary*
Robert Packer Hospital, R.N.
Mansfield State College, B.S.

Kollar, Francis J. *Assistant Dean of Men*
St. Vincent College, B.S.

Leiboff, Michael D. *Speech and Drama*
Univ. of Arizona, B.A.
Univ. of Nebraska, M.A.

Livermore, Margaret *English*
Bob Jones University, B.A.
Pennsylvania State University, M.A.

Lupkowski, Elizabeth A. *Home Economics*
St. Joseph's Hospital, R.N.
College Misericordia, B.S.

Magakis, George, Jr. *Psychology*
Keystone Jr. College, A.A.
Pennsylvania State University, B.S.
University of Massachusetts, M.A.

Martin, Helen B. P. *Home Economics*
Elmira College, A.B.
University of Illinois, A.M.

Nieves, Julie A. *English*
Pennsylvania State University, B.A.
Pennsylvania State University, M.A.

Orr, Christopher *English*
University of Michigan, A.B., M.A.

Reese, John *English*
William and Mary College, A.B.
Western Reserve University, M.A.

Roberts, Esther C. *Dean of Women*
Vassar College, A.B.

Rose, Jeanette B. *Home Economics*
Mansfield State College, B.S.

Rudy, June D. *Home Economics*
Mansfield State College, B.S.

Sabol, Bernard S. *Health and Phys. Ed.*
Pennsylvania State University, B.S.

Sawyers, Thomas V. *English*
Cumberland University, B.A.
Middle Tennessee State College, M.A.

Schmitz, Janet L. *Library Education*
University of Connecticut, B.S.

Shaw, Henry A. *Physical Education*
Lock Haven State College, B.S.
Ithaca College, M.S.

Shaw, Marylou *Health and Physical Education*
Texas College of Arts and Industries, B.A.

Simonis, James J. *College Librarian*
Findlay College, A.B.
Pratt Institute, M.L.S.

Smith, William F. *Political Science*
Alderson-Broaddus College, B.S.
Kent State University, M.A.

Tolosky, Amelia J. *Home Economics*
Indiana Univ. of Penna., B.S.
State Univ. of N.Y. at Plattsburgh, M.S.

Trowbridge, Mary L. *Home Economics*
Mansfield State College, B.S.

Westlake, Richard D. *Speech and Drama*
College of William and Mary, A.B.
Southern Illinois Univ., M.A.

ADMINISTRATIVE SERVICES

Business

King G. Rose	*Business Manager*
John W. Good	*Director of Development & Plant Facilities*
Dale Scott	*Manager, Campus Store*
Jean Swanson	*Accountant*
Irene Wells	*Manager, Central Banking*
Kathryn Love	*Accountant, Student Aid*
Donald Matteson	*Accountant and Office Manager*
Victor Mahosky	*Manager, The "Hut"*
Ivan Wilson	*Purchasing Agent*

Health

Joseph J. Moore, M.D.	*College Physician*
Margaret G. Jones, R.N.	*Supervisor of Nurses*
Paula Davis, R.N.	*College Nurse*
May Kline	*College Nurse*
Barbara L. Crippen, R.N.	*College Nurse*
Karen Gilliland	*College Nurse*
Sandra Bubnis	*College Nurse*
Phyllis Smith, R.N.	*College Nurse*

Buildings and Grounds

Thomas Clark	*Supt. of Bldgs. & Grounds (Operational)*
George Ritter	*Asst. Supt. of Bldgs. & Grounds*
Clifton Griffin	*Custodial Work Supervisor*
Carol Mann	*Secretary to Supt. of Bldgs. & Grounds*
Howard U. Johnson	*Stock Clerk*

Data Processing Center

William Wanich	*Director*
Graydon Scott	*Programmer III*
Margaret Schultz	*Key Punch Operator*
	Key Punch Operator
Janice Doner	*Clerk Typist*
	Tabulating Machine
Frank Brown	*Operator II*
Olin Cook	*Operator I*
Janet Day	*Programmer I*

Secretarial

Ann Good	*Office of the President*
Mary Lou Frombach	*Office of the President*
Bonalyn Farrell	*Office of the Dean of Academic Affairs*
Michaelene Stella	*Office of the Dean of Academic Affairs*
Joanne Creeley	*Office of the Dean of Student Affairs*
Frances Moore	*Office of the Director of Admissions*
Vacant	*Office of the Director of Admissions*
Ardith Jankowiak	*Office of the Business Manager*
Mary Ann Mays	
Marcia K. Copley	*Office of the Dir. of Dev. & Plant Facilities*
Adele Saurbaugh	*Office of the Dean of Men*
Janice Doan	*Office of the Dean of Women*
Joyce Bixby	*Office of the Dir. of Student Tchg. & Placement*
Diane Martin	*Office of the College Library*
Donna B. Baker	*Office of the Director of Elementary Education*
Hazel M. Starks	*Office of the Home Economics Department*
Shelva Smith	*Office of the Social Science Department*
Rosemary Cleveland	*Office of the Dean of Liberal Arts & Sciences*
Carol Alexander	*Office of the Dean of Graduate Studies*
Ann Marie Beuter	*Office of the Physical Education Department*

Jeanette Blank	*Office of the Music Department*
Helen Herman	*Office of the Lib. Educ. & Spec. Educ. Depts.*
Lucy Bigelow	*Office of the English Department*
Cheryl Groover	*Office of the Dir. of Testing & Counseling*
Vacant	*Office of the South Hall Complex*
Arlene Welch	*Office of the South Hall Complex*
Daisy Casbeer	*Office of the Public Relations Department*
Lois M. Wells	*Office of the Art and Audio-Visual Depts.*

Clerical

V. LaVelle Beck	*Office of the Science Departments*
Hazel L. Deitrick	*Payroll Clerk, Business Office*
Judith Heller	*Purchasing Clerk, Business Office*
Dorothy Hall	*Budget Clerk, Business Office*
Mary Copp	*Accounts Payable Clerk, Business Office*
Marjorie Farrell	*Asst. Accountant, Revenue Office*
Nancy Perry	*Account Clerk, Revenue Office*
Helen Richard	*Record Clerk, Office of the Registrar*
Marjorie Maloney	*Record Clerk, Office of the Registrar*
Phyllis Griffin	*Clerk, Campus Store*
Vacant	*Clerk, Student Teaching & Placement*
Verna Randall	*Clerk, Dean of Teacher Education*
Doris Hess	*Switchboard Operator*
Mary Smith	*Switchboard Operator*
Clarice Evans	*Library Assistant*
Alma Martin	*Library Assistant*
Virginia Fessler	*Library Assistant*
Mary L. Geiger	*Library Assistant*
Lorraine Farr	*Library Assistant*
V. Jean Horning	*Library Assistant*
Arlene Rizzo	*Clerk, Library*
Leah Evans	*Clerk, Library*
Gary Shaw	*Clerk, Library*
Julie Horning	*Clerk, Library*
Elizabeth Mehonsky	*Clerk, Library*
M. Jean Bowen	*Clerk, Library*

Duplicating Services

James Treat	*Supervisor*
Robert Graham	*Messenger*
Walter Updyke	*Messenger*
Daniel Davis	*Duplicating Machine Operator*

Student Housing Services

Mildred Campbell	*Housemother*
Jessie Coole	*Housemother*
Helene Hinkleman	*Housemother*
Dorothy Paris	*Housemother*
Martha Potter	*Housemother*
Elizabeth Wakely	*Housemother*
Ada Wilkinson	*Housemother*
Ethel Brion	*Housemother*
Dorothy Lodge	*Housemother*
Alfhild Johnson	*Housemother*
Bonnie Andrews	*Housemother*

MANSFIELD STATE COLLEGE
Mansfield, Penna. 16933

FOR PROSPECTIVE STUDENTS

The Preliminary Enrollment Blank below is to be completed and mailed to the Director of Admissions, Mansfield State College, Mansfield, Pa.

Date _____

Name _____
Last Name First Name Middle Name

Address _____
Number Street City

_____
County State Zip

Sex _____ Age _____

Date of High School Graduation _____

Name and Address of High School _____

_____

Year of College Work Completed (If Any) _____

Name of College and Address _____

_____

When do you expect to enter Mansfield? _____

Check the curriculum you desire to take:

Arts and Sciences ☐; Art Education ☐; Elementary Education ☐; Home Economics Education ☐; Library Education ☐; Music Education ☐; Secondary Education ☐; Special Education ☐; Public School Nursing ☐.

If Secondary Education or Arts and Sciences, list major _____

Do you wish to live in the dormitories? _____

Are you enclosing with this blank the required Application Fee of $10.00 (payable to the Commonwealth of Pennsylvania)? _____

An additional $50.00 deposit will be required if accepted by the College.
Please answer EVERY question in this blank.

COLLEGE